

# **Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

## **Aircraft Noise Technical Report**

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## 1 Introduction

This technical report describes the noise modeling conducted for the Environmental Assessment (EA) for the North Texas Optimization of Airspace and Procedures in the Metroplex (OAPM) project. The following sections describe the criteria used to identify potential noise impacts, the objectives in modeling noise for the North Texas OAPM project, and the results of the noise analysis. Further information on the fundamentals of noise can be found in **Appendix E, Basics of Noise**, to the EA.

### 1.1 Noise Impact Criteria

The Federal Aviation Administration (FAA) has considered and identified threshold levels above which aircraft noise causes an adverse impact to people. The agency has determined that a significant impact occurs if a proposed action would result in an increase of Day-Night Average Sound Level<sup>1</sup> (DNL) 1.5 dB or higher on noise-sensitive areas exposed to DNL 65 dB or higher levels.

FAA Order 1050.1E requires analysis of aircraft noise using the DNL metric. **Table 1** provides the criteria used to assess the changes in aircraft noise exposure attributable to the Proposed Action compared with the No Action Alternative. FAA Order 1050.1E describes a significant impact as a DNL increase of 1.5 dB at a noise sensitive land use location (e.g., residences, schools, etc.) exposed to aircraft noise of DNL 65 dB or higher under the Proposed Action.

Additionally, in response to a recommendation made in 1992 by the Federal Interagency Committee on Noise (FICON), FAA Order 1050.1E recommends that – when DNL increases of 1.5 dB or more occur at noise sensitive locations in areas exposed to aircraft noise of DNL 65 dB and higher – noise increases of DNL 3 dB or more should also be evaluated and disclosed in noise sensitive areas exposed to aircraft noise between DNL 60 dB and 65 dB.

For air traffic actions where the study area is larger than the immediate vicinity of the airport, incorporates more than one airport, or includes actions above 3000 ft. AGL, FAA Order 1050.1E also states that NIRS will be used to produce change-of-exposure tables and maps at population centroids using the following screening criteria: changes of 5.0 dB or greater for DNL 45-60 and changes of 3.0 dB or greater for DNL 60-65.

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<sup>1</sup> The DNL metric represents noise as it occurs over a 24-hour period, with one important exception: DNL treats noise occurring at night differently from daytime noise. In determining DNL, the metric assumes that the A-weighted levels occurring at night (defined as 10 p.m. to 7 a.m.) are 10 dB louder than they actually are. This 10 dB increase is applied to account for the fact that there is a greater sensitivity to nighttime noise, and the fact that events at night are often perceived to be more intrusive because nighttime ambient noise is less than daytime ambient noise.

**Table 1. Noise Impact Scoring Criteria**

Source: FAA Order 1050.1E, Appendix A. June 8, 2004

DNL Noise Exposure with Proposed Action	Increase in DNL with Proposed Action	Aircraft Noise Exposure Change Consideration
DNL 65 dB and higher	DNL 1.5 dB or greater <sup>/1</sup>	Exceeds Threshold of Significance
DNL 60 dB to 65 dB	DNL 3.0 dB or greater <sup>/2</sup>	Considered When Evaluating Air Traffic Actions
DNL 45 dB to 60 dB	DNL 5.0 dB or greater <sup>/3</sup>	Considered When Evaluating Air Traffic Actions

*Notes:*

1 Source: FAA Order 1050.1E, Appendix A, Paragraph 14.3; Title 14 C.F.R. Part 150.21(2)(d); and Federal Interagency Committee on Noise, , Federal Agency Review of Selected Airport Noise Issues, August 1992.

2 FAA Order 1050.1E, Appendix A, Paragraph 14.5e; and Federal Interagency Committee on Noise, Federal Agency Review of Selected Airport Noise Issues, August 1992.

3 FAA Order 1050.1E, Appendix A, 14.5e.

Prepared by: HMMH Inc., August 2013

## 2 North Texas OAPM Noise Analysis Objectives

FAA Order 1050.1E provides criteria on whether an airport in the study area should be modeled. The North Texas OAPM EA presents a detailed exercise in noise modeling for the following Study airports which met the criteria:

- Dallas/Fort Worth International Airport (DFW)
- Dallas Love Field (DAL)
- Fort Worth Meacham International Airport (FTW)
- Addison Airport (ADS)
- Fort Worth Alliance Airport (AFW)
- Fort Worth NAS Joint Reserve Base/Carswell Field (NFW)
- Collin County Regional Airport At McKinney (TKI)
- Arlington Municipal Airport (GKY)
- Denton Municipal Airport (DTO)
- Dallas Executive Airport (RBD)
- Fort Worth Spinks Airport (FWS)

Because of the large size of the General Study Area (GSA), and the high number and variety of aircraft entering and exiting the GSA, nearly 650,000 radar flight tracks were evaluated as part of the noise model input development.

The following sections describe the objectives identified to determine that the noise analysis provided a detailed and accurate assessment of noise exposure throughout the GSA.

### 2.1 Evaluate Changes in Noise Levels

The FAA has developed specific guidance and requirements for the assessment of aircraft noise in order to comply with National Environmental Policy Act (NEPA). This guidance, specified in FAA Order 1050.1E, requires that aircraft noise be analyzed in terms of the yearly DNL metric. In practice, this requirement means that DNL levels are computed for the Average Annual Day (AAD) of operations for the year of interest. The AAD represents all the aircraft operations for every day in a study year divided by 365, the number of days in a year. The AAD does not reflect a particular day, but is meant to represent a typical day over a period of a year.

Part 150 guidelines and the DNL metric may not be sufficient to address noise at certain Section 4(f) or Historic properties where noise is very low and a quiet setting is a generally recognized attribute of the site's significance. For those cases the FAA Order 1050.1E allows for supplemental noise analysis on a case-by-case basis with special approvals by the FAA Office of Environment and Energy.

The FAA requires that aircraft noise be evaluated using one of several authorized computer noise models. Specifically, for air traffic actions such as those proposed with the North Texas OAPM project, the Noise Integrated Routing System (NIRS) model was used. See Section 3.1 for a detailed description of the NIRS model.

Noise exposure contours only describe noise impacts in the immediate vicinity of airports (three to five miles). The FAA's NIRS model provides a more detailed modeling tool to evaluate air traffic actions where the study area is larger than the immediate vicinity of an airport, incorporates more than one airport, or includes actions above 3,000' AGL. For this EA, a detailed analysis of current and future noise from aircraft operating between the surface and 10,000 feet AGL was conducted in the GSA.

FAA Order 1050.1E recommends developing the analysis to represent current conditions and future conditions with and without the alternative(s). The future conditions are typically the year of implementation and five years after implementation. For this EA, the year 2011 represents current conditions, 2014 the year of implementation and 2019 represents five years plus implementation.

The following scenarios were evaluated

1. 2011 Existing Conditions—routes as flown in the 2011 calendar year.
2. 2014 Future No Action—routes as forecasted to be flown in the year 2014 if no Proposed Action airspace changes are implemented.
3. 2014 Future Proposed Action—routes as forecasted to be flown in the year 2014 if the Proposed Action is implemented.
4. 2019 Future No Action—routes as forecasted to be flown in the year 2019 if no Proposed Action airspace changes are implemented.
5. 2019 Future Proposed Action—routes forecasted to be flown in the year 2019 if the Proposed Action is implemented.

The information disclosed in this study includes the maximum potential number of people exposed to DNL changes that meet or exceed the thresholds stated in **Table 1** for the scenarios previously listed.

## **2.2 Model Traffic Routes over Entire General Study Area (GSA)**

As stated in Section 2, nearly 650,000 radar flight tracks were used to evaluate and model typical flight routes and flows throughout the GSA. **Table 2** lists the 11 Study Airports and their associated runways that were included in the noise modeling. The set of radar flight tracks included all Itinerant Instrument Flight Rules (IFR)<sup>2</sup> flights that operated at or below 10,000 feet AGL in the General Study area. Model flight tracks were developed directly from this radar data.

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<sup>2</sup> Aircraft operate under two distinct categories of flight rules: Visual Flight Rules (VFR) and Instrument Flight Rules (IFR). These flight rules generally correspond with two categories of weather conditions: Visual Meteorological Conditions (VMC) and Instrument Meteorological Conditions (IMC). VMC generally exist during fair to good weather with good visibility. IMC occur during periods when visibility falls to less than three statute miles or the ceiling (the distance from the ground to the bottom layer of clouds when the clouds cover more than 50 percent of the sky) drops to lower than 1,000 feet. Under VFR, pilots are able to fly whatever route they choose and are responsible to “see and avoid” other aircraft and obstacles such as terrain to maintain safe separation. Under IFR

## **2.3 Model Day/Night Noise Levels at Population Centroids**

Within the GSA, 98,297 individual population grid points were evaluated representing a total population of 6,745,544 people. These grid points, each of which represents a specific number of people, are referred to as population centroids. Each centroid represents a census block, the smallest geographical unit for which the U.S. Census maintains population data. The smallest centroid has a population of one, and the largest centroid has a population of 6,362. Centroid locations and population counts were drawn by the U.S. Census Bureau based on 2010 U.S. Census data. For each of the five modeling scenarios, AAD DNL values for each scenario were calculated at all population centroids within the GSA.

## **2.4 Model Day/Night Noise Levels at Department of Transportation Act, Section 4(f) Resources and Historic and Cultural Resources in the General Study Area (GSA)**

In order to capture noise levels within potential Section 4(f) resources inside the GSA, a uniformly spaced grid was modeled with an approximately 0.5 NM<sup>2</sup> grid (3,000 ft<sup>2</sup>). In addition, for national parks and national wildlife refuges where air traffic was below 18,000 ft. AGL noise levels were modeled using an approximately 1.0 NM<sup>2</sup> spaced grid (6,000 ft<sup>2</sup>).

A grid point analysis was performed to evaluate noise levels at sites or lands potentially protected under Section 4(f) of the Department of Transportation Act of 1966 (49 U.S.C. § 300 *et seq.*) (herein referred to as Section 4(f) properties or resources.) Section 4(f) resources include publicly owned parks, recreation area, or wildlife and waterfowl refuge of national, State or local significance or historic resources listed or eligible for listing on the National Register of Historic Places under the National Historic Preservation Act of 1966 (16 U.S.C. § 470) The Section 4(f) sites were initially identified as single point locations within the GSA. In some cases, the Section 4(f) properties covered a large area (usually large parks or wilderness areas) that were not well represented by a single analysis point. In these cases, additional points from the uniformly spaced grid of points were used to provide adequate coverage.

## **2.5 Use Standard Procedure Profiles with Air Traffic Control Altitude Control Points**

Aircraft within the North Texas Metroplex operate in accordance with standardized air traffic control procedures. To model existing and proposed procedures, arrival and departure profiles were designed to meet certain altitude restrictions above 3,000 ft. AGL as set by air traffic control, and to use standard procedure profile data provided by NIRS below 3,000 ft. AGL.

## **2.6 Identify and Quantify Noise Changes and Causes Thereof**

DNL levels were calculated for each centroid and grid point, differences in noise exposure between the Proposed Action and the No Action alternative for each of the future analysis years were quantified, and the causes of change in noise exposure were explained. The criteria set to meet this objective are described in Section 1.1, *Noise Impact Criteria*.

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ATC is responsible for providing separation from other aircraft and terrain and pilots use cockpit instruments and radar to fly routes specified by ATC and to comply with ATC instructions. Pilots must follow IFR during IMC; however, due to various factors such as the general requirement for aircraft to operate under IFR in Class A airspace (i.e., en route airspace between 18,000 feet Mean Sea Level (MSL) and 60,000 feet MSL), the majority of commercial air traffic operates under IFR regardless of weather conditions.

## **2.7 Produce Easily Interpreted and Informative Tables and Graphics to Report Results**

The complexity (number of flight routes, airports, operations, etc.) of the study created challenges in reporting noise modeling results in a useful format for analysis. Tables and graphics were designed to provide data that would be understandable to the general public.

### 3 Noise Modeling and Analysis

The following sections describe the model used in the analysis, the data required for input into the model, noise model development procedures, and the outputs from the modeling process. Section 5.4 provides the modeling results and analysis of those results.

#### 3.1 Noise Model

The Integrated Noise Model (INM) is the required model for noise analysis within the vicinity of an airport. However, prior to the development of NIRS, limited technology was available to examine noise impacts associated with high-altitude air traffic changes. The FAA-accepted methodology to examine the potential for high altitude noise impacts was published in FAA Notice 7210.360, *Noise Screening for Certain Air Traffic Actions Above 3,000 Feet AGL*, on September 14, 1990. The process outlined in this notice was subsequently converted to the Air Traffic Noise Screening (ATNS) computer model v.1.0 in 1995. This model was further revised to its current form as version 2.0 in early 1999. However, the ATNS noise screening program was limited in its application because it could examine only one route at a time. The FAA recognized that there was a need to evaluate multiple proposed high-altitude air traffic changes simultaneously, and also to evaluate changes in noise levels due to flights at or below 3,000 feet AGL when more efficient arrival and departure procedures are proposed.

Consequently, the FAA expended considerable time, effort, and expense in combining airspace design criteria and noise modeling technology to examine the cumulative effect of multiple route changes and their effect on noise levels over a large geographical area containing multiple airports. The end product was the NIRS model. NIRS was initially developed in 1995 by the FAA Office of Environment and Energy (AEE-120), in cooperation with FAA's Air Traffic Environmental Programs Division (ATA-300), for assessing potential regional airspace design noise impacts. Its purpose is to assist the FAA in evaluating the environmental noise impacts of airspace routing and procedural alternatives designed to improve system safety and efficiency. It is specifically tailored to evaluate complex air traffic applications involving high-altitude routing (up to 18,000 feet AFE), broad area airspace changes affecting multiple airports, and other airspace modifications in the terminal and en route environments that cannot be assessed using other methods, most notably the ATNS (ATNS-7210.360) and the INM. NIRS evaluates noise impacts by calculating DNL levels for specific locations on the ground, based on population centroids and grid points.<sup>3</sup> NIRS Version 1.0 was released in June 1998 as a prototype model. The version of NIRS which was used for the North Texas OAPM EA is NIRS Version 7.0b, Build 3, the latest version at the time the analysis was completed.

It must be noted that Aviation Environmental Design Tool (AEDT) has presently been adopted for regional airspace environmental analysis, and has recently subsumed NIRS functionality in being identified as the officially endorsed FAA tool for environmental modeling and analysis metrics (Noise, Fuel Burn and Emissions) output for regional airspace redesign/analysis projects. The North Texas OAPM EA is grandfathered to use NIRS as are other projects that fall under the OAPM umbrella that were initiated prior to the official release of AEDT 2a on March, 21, 2012.<sup>4</sup> Testing of AEDT relative to noise and fuel burn metrics have substantiated that the new tool provides environmental metrics output results that are in concert with results that are expected when using the NIRS tool for regional airspace redesign analysis projects. As reported by the FAA, “In 2014, AEDT 2b will also become the next generation aviation environmental consequence tool, further replacing the current public-use aviation air

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<sup>3</sup> U.S. Census Bureau, 2010 Census Data, U.S. Census Block Data, April 2010

<sup>4</sup> U.S. Department of Transportation, Federal Aviation Administration, Order 1050.1E, Change 1, Guidance Memo #4: Date – March 21, 2012; Subject-Guidance on Using AEDT 2a to Conduct Environmental Modeling for FAA Air Traffic and Procedure Actions, ([http://www.faa.gov/about/office\\_org/headquarters\\_offices/apl/environ\\_policy\\_guidance/guidance/media/AEDT\\_Guidance\\_Memo.pdf](http://www.faa.gov/about/office_org/headquarters_offices/apl/environ_policy_guidance/guidance/media/AEDT_Guidance_Memo.pdf)).

quality and noise analysis tools such as the INM (single airport noise analysis) and the Emissions and Dispersion Modeling System (EDMS – single airport emissions analysis)<sup>5</sup> as expanded capability of the AEDT tool from the regional airspace environmental analysis functionality in AEDT 2a is implemented.<sup>6</sup>

With respect to NIRS, the tool provides a powerful computational environment and graphical user interface, and provides the following major capabilities:

- Provides automated quantitative comparison of noise impacts across alternative airspace designs.
- Imports and displays track and operation data from airspace models, and population and community data from other sources.
- Enables users to specify air traffic control altitudes, and automatically calculates required aircraft thrusts and speeds necessary for noise using the same up-to-date database used for the INM.<sup>7</sup>
- Calculates predicted noise impacts at all population centroids (or other specially defined points) in large study areas.
- Provides automated means of annualizing noise impact based on different operational configurations and/or runway usage statistics.
- Identifies and maps all areas of change in noise impact.
- Identifies traffic elements that are the principal causes of change in noise impact in each area of change.
- Provides data for quantification of mitigation goals and identification of mitigation opportunities.
- Assembles tables and figures for noise-impact data analysis and report generation.
- Applies multiple layers of data checking and quality control.

NIRS was validated by the FAA's Office of Environment and Energy (AEE) against the INM tool in 1997. This process involved providing both models with identical inputs, and performing a detailed comparison of the resulting outputs for representative jet, turboprop, and propeller aircraft for both arrival and departure operations. The models were found to give the same results in terms of both final noise values and intermediate aircraft state parameters (position, altitude, thrust, and speed). An on-going program ensures the continued compatibility of the two models. Based on these results and on technical oversight of the NIRS development process, the FAA AEE approved the use of NIRS for evaluating airspace applications.

The NIRS noise assessment methodology, interpretation guidelines, and population-impact results have been briefed at several levels throughout the FAA and the U.S. Environmental Protection Agency (U.S. EPA). In addition, within the FAA, the Environmental Policy Team, within the Airspace Policy & ATC Procedures Group, Mission Support Services (AJV) and the AEE assure that model integrity is maintained in terms of noise standards and equations, consistency with airport methodology, and reliability of use. NIRS has historically been the best available tool to model noise exposure changes for a

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<sup>5</sup> U.S. Department of Transportation, Federal Aviation Administration, AEDT FAA Web Page, Second Paragraph; ([http://www.faa.gov/about/office\\_org/headquarters\\_offices/apl/research/models/aedt/](http://www.faa.gov/about/office_org/headquarters_offices/apl/research/models/aedt/)).

<sup>6</sup> Per the AEE-400 memo dated March 21, 2012, "Guidance on Using AEDT 2a to Conduct Environmental modeling for FAA Air Traffic Airspace and Procedure Actions," AEDT 2a replaces NIRS as the required model for aircraft noise, fuel burn and emissions modeling for FAA air traffic airspace and procedure actions. There is an exemption for projects whose environmental analysis began before March 1, 2012 hence the DC OAPM EA used the latest version of NIRS.

<sup>7</sup> NIRS v.7.0b utilizes the INM 7.0b version database.

study of this magnitude and meet FAA's environmental responsibilities in an accurate and cost-effective manner until the recent release of the AEDT, as previously mentioned.

### 3.2 Input Requirements

Noise modeling requires several types of input data, including: airport/runway locations, operational levels, day/night distributions, fleet mix, runway usage, noise-power-distance relationships, climb/descent profiles, aircraft weights, flight tracks, track dispersion information, population and grid point locations, and boundaries of local jurisdictions. Details of the NIRS input data for the North Texas OAPM project EA are discussed below.

#### 3.2.1 Airport and Runway Data

**Table 2** identifies the airports and runways modeled for this analysis. In total, eleven airports within the GSA were evaluated. All runways at these airports were assumed to be available for traffic assignments in NIRS.

**Table 2. North Texas EA Metroplex Study Airports**

Source: FAA, 5010 Database

Airport Name	Airport Code	Location	Runways <sup>1</sup>
<b>Major Airports</b>			
Dallas Fort Worth International Airport	DFW	Dallas-Fort Worth, TX	13R, 31L, 18R, 36L, 18L, 36R, 17R, 35L, 17C, 35C, 13L, 31R, 17L, 35R
Dallas Love Field Airport	DAL	Dallas, TX	13L, 31R, 13R, 31L
<b>Satellite Airports</b>			
Addison Airport	ADS	Addison, TX	15, 33
Fort Worth Alliance Airport	AFW	Fort Worth, TX	16L, 34R, 16R, 34L
Fort Worth Meacham International Airport	FTW	Fort Worth, TX	09, 27, 16, 34, 17, 35
Denton Municipal Airport	DTO	Denton, TX	18, 36
Collin County Regional Airport	TKI	McKinney, TX	18, 36
Arlington Municipal Airport	GKY	Arlington, TX	16, 34
Dallas Executive Airport	RBD	Dallas, TX	13, 17, 31, 35
Fort Worth Spinks Airport	FWS	Fort Worth, TX	17L, 35R, 17R, 35L
Fort Worth Naval Air Station JRB / Carswell Field	NFW	Fort Worth, TX	17, 35
Notes: A runway can be used in both directions, but are named in each direction separately. Runway number is based on the magnetic direction of the runway (e.g., Runway 09 points to the east direction). The two numbers on either side always differ by 180 degrees. If there is more than one runway pointing in the same direction, each runway number includes an 'L', 'C' or 'R' at the end. This is based on which side a runway is next to another one in the same direction.			
Accessed: September 27, 2012 Prepared by: HMMH, March 2013			

#### 3.2.2 Local Environment Variables

To calculate noise levels specific to the conditions in the GSA, the NIRS model uses several local environmental variables. These include temperature, atmospheric pressure, humidity, airport average headwind, airport elevation, and terrain. For this analysis, annual average weather conditions were used in the GSA.

**Table 3** summarizes the weather data used for the NIRS analysis.

**Table 3. Environmental Variables - Weather**

Source: National Climatic Data Center

Variable	Annual Average
Temperature (F)	67.1
Barometric Pressure (in-Hg)	29.99
Relative Humidity (%)	60.8
Accessed:	May 12, 2012
Prepared by:	HMMH, March 2013

The airport elevation for Dallas Fort Worth International Airport (DFW) at 607 feet above mean sea level (MSL) was selected as the NIRS study elevation for the analysis. Detailed terrain data for the entire GSA was incorporated from the United States Geological Survey (USGS) 1-degree Digital Elevation Model (DEM) database for the United States.<sup>8</sup> This database provides elevation data at ground points separated by three arc-seconds (approximately 75 m east-west and 75 m north-south in the area). The elevation values for each point are provided at a 1-meter resolution.

### 3.2.3 Operation Levels and Day/Night Distribution

IFR operation levels for each Study Airport were based on radar data and Aviation Activity Forecasts developed for this analysis. The forecasts are presented in a separate technical report, available via the project website. The information contained in these forecasts, which is necessary for noise modeling, includes the type of aircraft, origin and destination airport, daytime or nighttime operation time, and the average number of daily operations. The detailed operation tables which comprise the forecast were developed for the forecast years 2014 and 2019. For this analysis, each forecast represents the average day (annual/365) of traffic for the year of interest. **Table 4** presents the IFR operation totals modeled for the North Texas OAPM EA.

**Table 4. Modeled Average Annual Day IFR Operation Totals**

Source: PDARS Data (2011), FAA Terminal Area Forecast 2011

Airport	2011	2014	2019
DFW	1766.1	1829.2	1997.9
DAL	452.6	480.5	600.9
ADS	89.6	91.4	91.7
AFW	81.1	87.4	90.5
FTW	75.8	76.3	84.0
DTO	23.6	27.5	28.6
TKI	20.7	21.0	21.9
GKY	19.0	18.8	18.9
RBD	14.9	15.2	15.3
FWS	7.7	8.1	8.2
NFW	9.8	10.0	10.3
Accessed:	April 23, 2012		
Prepared by:	HMMH, March 2013		

### 3.2.4 Runway Use

Generally, the primary factors determining runway use at an airport are the weather and prevailing wind conditions at the time of a flight. Additionally, several key secondary factors also have a strong influence on runway selection. These factors include runway safety issues (taxiing aircraft crossing active runways

<sup>8</sup> U.S. Department of the Interior, U.S. Geological Survey, National Elevation Dataset, (<http://ned.usgs.gov/>).

or Land and Hold Short-LAHSO rules), the current composition of the traffic (many arrivals or many departures), and even the flight origin or destination. This latter factor is also based on safety from the standpoint that traffic is easier to sort on the ground (taxi for direction) than it is in the air.

Typically, arriving and departing aircraft are assigned to a specific fix. These fixes, in turn, may have a preferred arrival or departure runway assignment and a secondary arrival or departure runway assignment. As controllers attempt to balance delay and runway utilization by time of day based on the demand, there are times when arriving and departing aircraft are diverted to a secondary runway. This is especially true when an airport has multiple parallel runways. This allows the airfield to operate in the most efficient and safest manner.

**Table 5** presents the airport runway operating configuration usage based on analysis of 2011 radar data (note runway arrival/ departure detail by configuration in **Table 5**.) The runway operating configuration refers to the direction a runway is used for arrivals and departures, which can vary based on the direction of prevailing winds. For the North Texas OAPM Study Airports, the runway use for the future conditions was developed primarily based on analysis of the available archived radar data which was accurate enough to determine runway use based on operation type, aircraft category, time of day, and origin/destination. The radar sample archive which met these criteria was collected between January 1, 2011 and December 31, 2011. The runway operating configuration usage remains the same for 2014 and 2019 as for 2011.

**Table 5. Runway Operating Configuration Usage – Major Study Airports (2011, 2014, and 2019)**

Source: FAA, 5010 Database, PDARS Data (2011)

Operating Configuration	Arrival Runways	Departure Runways	Day	Night
DFW				
North Flow	31R, 35C, 35L, 35R, 36L, 36R	31L, 36L, 36R, 35L, 35C, 31R,	28%	30%
South Flow	13R, 18R, 18L, 17R, 17C, 17L	13R, 18R, 18L, 17R, 17C, 17L	72%	70%
DAL				
North Flow	13L, 31R, 13R, 31L	13L, 31R, 13R, 31L	29%	32%
South Flow	13L, 31R, 13R, 31L	13L, 31R, 13R, 31L	71%	68%
Accessed:	September 27, 2012			
Prepared by:	HMMH, March 2013			

**Tables 6 through 16** present summaries of the modeled airport runway use percentages for the Study Airport arrivals and departures respectively by daytime and nighttime for the No Action and Proposed Action. The future runway use was based on the forecast operations and city pairs developed from the existing data set. The proposed air traffic procedures do not notably change runway use; therefore, the distribution of operations was held almost constant between No Action and Proposed Action. It is important to note that future runway use at an airport is, at best, an estimate. Changes in airport layout or tenant needs can have an effect on actual runway use in the future.

As shown in **Table 5**, the average annual runway operating configuration use for the Major Study Airports under 2011, 2014, and 2019 conditions, reflects average runway usage as sampled over 282 days in 2011 from January 1, 2011 through December 31, 2011 providing a representative statistical sampling of existing conditions runway usage.<sup>9</sup> The remaining 83 days of data for 2011 was either unavailable due

<sup>9</sup> See North Texas OAPM Draft EA Chapter 4, Section 4.3.1.1 Noise Modeling Methodology.

to radar equipment anomalies, operational outages, or extreme weather events that made the data unreliable. The average annual runway use for the Study Airports is presented in **Tables 6 through 16** for the 2014 and 2019 No Action scenarios, which is based on historical runway use over a period from January 1, 2011 through December 31, 2011.



**Table 6. DFW Runway Use Percentages – Proposed Action and No Action Alternative (1 of 2)**

Source: PDARS Data (2011), HMMH June 2013

DF W	Runway	2014										2019										
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
No Action Arrivals	13R	10%	0%	14%	2%	8%	3%	37%	42%	8%	14%	10%	0%	14%	2%	8%	3%	36%	42%	8%	14%	
	17C	9%	13%	32%	30%	21%	17%	10%	3%	8%	16%	9%	11%	32%	29%	21%	17%	11%	3%	8%	16%	
	17L	1%	0%	5%	1%	3%	1%	12%	0%	32%	12%	1%	0%	5%	1%	3%	1%	13%	0%	32%	12%	
	17R	0%	7%	1%	22%	0%	2%	0%	0%	0%	0%	0%	7%	1%	23%	0%	2%	0%	0%	0%	0%	0%
	18L	6%	16%	1%	4%	2%	7%	0%	0%	0%	0%	6%	17%	1%	4%	2%	7%	0%	0%	0%	0%	0%
	18R	47%	37%	20%	11%	37%	36%	11%	26%	1%	4%	48%	38%	20%	11%	37%	36%	10%	25%	1%	4%	
	31R	1%	0%	3%	1%	6%	5%	11%	5%	41%	45%	1%	0%	3%	1%	5%	5%	12%	5%	41%	45%	
	35C	7%	7%	11%	15%	7%	8%	0%	0%	2%	1%	6%	6%	12%	15%	7%	8%	0%	0%	2%	1%	
	35L	0%	2%	0%	6%	0%	0%	0%	0%	0%	0%	0%	2%	0%	7%	0%	0%	0%	0%	0%	0%	
	35R	0%	0%	3%	1%	2%	1%	0%	0%	0%	1%	0%	0%	3%	1%	2%	1%	0%	0%	0%	0%	
	36L	17%	14%	11%	5%	12%	17%	19%	24%	8%	8%	17%	14%	11%	5%	12%	17%	18%	24%	8%	8%	
	36R	2%	4%	1%	1%	1%	2%	0%	0%	0%	0%	2%	4%	1%	2%	1%	2%	0%	0%	0%	0%	
Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
No Action Departures	17C	1%	13%	0%	0%	0%	5%	0%	7%	0%	1%	12%	0%	0%	0%	5%	0%	7%	0%	0%	7%	0%
	17R	37%	15%	38%	32%	39%	26%	12%	11%	49%	47%	36%	15%	38%	32%	39%	26%	12%	10%	49%	47%	
	18L	27%	17%	32%	36%	32%	41%	28%	13%	1%	1%	27%	18%	32%	36%	32%	41%	30%	13%	1%	1%	
	18R	7%	22%	2%	3%	1%	3%	22%	45%	1%	51%	6%	22%	2%	3%	1%	3%	22%	44%	1%	51%	
	31L	0%	0%	0%	0%	0%	0%	29%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	28%	0%	7%	0%
	35C	1%	6%	0%	0%	0%	0%	1%	0%	15%	0%	1%	5%	0%	0%	0%	0%	1%	0%	15%	0%	
	35L	15%	8%	15%	13%	15%	12%	1%	0%	15%	0%	15%	8%	15%	13%	15%	12%	1%	0%	15%	0%	
	36L	3%	14%	0%	0%	0%	0%	2%	27%	0%	0%	3%	15%	0%	0%	0%	0%	2%	27%	0%	0%	
	36R	10%	5%	13%	16%	13%	18%	0%	5%	7%	1%	10%	6%	13%	17%	13%	18%	0%	5%	7%	1%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Notes:

Daytime operations arrive or depart between 7:00 a.m. and 9:59 p.m.; nighttime operations arrive or depart between 10:00 p.m. and 06:59 a.m.

Totals may not add up to 100% due to rounding

Prepared by: HMMH, March 2013



**Table 6. DFW Runway Use Percentages – Proposed Action and No Action Alternative (2 of 2)**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019										
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		
DFW	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
Proposed Action Arrivals	13R	10%	0%	14%	2%	8%	3%	37%	42%	8%	14%	10%	0%	14%	2%	8%	3%	36%	42%	8%	14%	
	17C	9%	13%	32%	30%	21%	17%	10%	3%	8%	16%	9%	11%	32%	29%	21%	17%	11%	3%	8%	16%	
	17L	1%	0%	5%	1%	3%	1%	12%	0%	32%	12%	1%	0%	5%	1%	3%	1%	13%	0%	32%	12%	
	17R	0%	7%	1%	22%	0%	2%	0%	0%	0%	0%	0%	7%	1%	23%	0%	2%	0%	0%	0%	0%	0%
	18L	6%	16%	1%	4%	2%	7%	0%	0%	0%	0%	6%	17%	1%	4%	2%	7%	0%	0%	0%	0%	0%
	18R	47%	37%	20%	11%	37%	36%	11%	26%	1%	4%	48%	38%	20%	11%	37%	36%	10%	25%	1%	4%	
	31R	1%	0%	3%	1%	6%	5%	11%	5%	41%	45%	1%	0%	3%	1%	5%	5%	12%	5%	41%	45%	
	35C	7%	7%	11%	15%	7%	8%	0%	0%	2%	1%	6%	6%	12%	15%	7%	8%	0%	0%	2%	1%	
	35L	0%	2%	0%	6%	0%	0%	0%	0%	0%	0%	0%	2%	0%	7%	0%	0%	0%	0%	0%	0%	
	35R	0%	0%	3%	1%	2%	1%	0%	0%	0%	1%	0%	0%	3%	1%	2%	1%	0%	0%	0%	0%	
	36L	17%	14%	11%	5%	12%	17%	19%	24%	8%	8%	17%	14%	11%	5%	12%	17%	18%	24%	8%	8%	
	36R	2%	4%	1%	1%	1%	2%	0%	0%	0%	0%	2%	4%	1%	2%	1%	2%	0%	0%	0%	0%	
Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	17C	1%	13%	0%	0%	0%	0%	5%	0%	7%	0%	1%	12%	0%	0%	0%	5%	0%	7%	0%	0%	
	17R	37%	15%	38%	32%	39%	26%	12%	11%	49%	47%	36%	15%	38%	32%	39%	26%	12%	10%	49%	47%	
	18L	27%	17%	32%	36%	32%	41%	28%	13%	1%	1%	27%	18%	32%	36%	32%	41%	30%	13%	1%	1%	
	18R	7%	22%	2%	3%	1%	3%	22%	45%	1%	51%	6%	22%	2%	3%	1%	3%	22%	44%	1%	51%	
	31L	0%	0%	0%	0%	0%	0%	29%	0%	7%	0%	0%	0%	0%	0%	0%	0%	28%	0%	7%	0%	
	35C	1%	6%	0%	0%	0%	0%	1%	0%	15%	0%	1%	5%	0%	0%	0%	0%	1%	0%	15%	0%	
	35L	15%	8%	15%	13%	15%	12%	1%	0%	15%	0%	15%	8%	15%	13%	15%	12%	1%	0%	15%	0%	
	36L	3%	14%	0%	0%	0%	0%	2%	27%	0%	0%	3%	15%	0%	0%	0%	0%	2%	27%	0%	0%	
	36R	10%	5%	13%	16%	13%	18%	0%	5%	7%	1%	10%	6%	13%	17%	13%	18%	0%	5%	7%	1%	
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Notes:

Daytime operations arrive or depart between 7:00 a.m. and 9:59 p.m.; nighttime operations arrive or depart between 10:00 p.m. and 06:59 a.m.

Totals may not add up to 100% due to rounding

Prepared by: HMMH, March 2013

**Table 7. DAL Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019									
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
DAL	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	13L	95%	0%	20%	14%	59%	42%	64%	51%	71%	56%	91%	0%	19%	13%	59%	41%	65%	52%	71%	55%
	13R	4%	73%	50%	53%	10%	20%	8%	16%	6%	2%	7%	73%	52%	54%	10%	21%	7%	15%	6%	1%
	31L	1%	27%	24%	27%	5%	15%	4%	17%	2%	1%	1%	27%	25%	28%	5%	16%	4%	16%	2%	1%
	31R	0%	0%	5%	6%	25%	23%	24%	16%	21%	42%	0%	0%	4%	5%	25%	23%	25%	17%	21%	43%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	13L	86%	0%	21%	18%	59%	48%	59%	29%	69%	68%	78%	0%	19%	17%	59%	47%	60%	30%	69%	67%
	13R	10%	0%	49%	55%	13%	24%	13%	31%	7%	7%	16%	0%	51%	57%	13%	25%	12%	29%	7%	7%
	31L	4%	0%	23%	22%	4%	5%	8%	15%	2%	0%	6%	0%	24%	21%	4%	4%	7%	15%	2%	0%
	31R	0%	0%	7%	6%	24%	24%	21%	25%	22%	26%	0%	0%	6%	5%	24%	23%	21%	26%	22%	25%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	13L	95%	0%	20%	14%	59%	42%	64%	51%	71%	56%	91%	0%	18%	13%	59%	40%	65%	52%	71%	55%
	13R	4%	73%	50%	53%	10%	20%	8%	16%	6%	2%	7%	72%	52%	54%	10%	22%	7%	15%	6%	1%
	31L	1%	27%	24%	27%	5%	15%	4%	17%	2%	1%	1%	28%	25%	28%	5%	16%	4%	16%	2%	1%
	31R	0%	0%	5%	6%	25%	23%	24%	16%	21%	42%	0%	0%	5%	5%	25%	22%	25%	17%	21%	43%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	13L	86%	0%	21%	18%	59%	48%	59%	29%	69%	68%	78%	0%	19%	17%	59%	47%	60%	30%	69%	67%
	13R	10%	0%	49%	55%	13%	24%	13%	31%	7%	7%	16%	0%	51%	57%	13%	25%	12%	29%	7%	7%
	31L	4%	0%	23%	22%	4%	5%	8%	15%	2%	0%	6%	0%	24%	21%	4%	4%	7%	15%	2%	0%
	31R	0%	0%	7%	6%	24%	24%	21%	25%	22%	26%	0%	0%	6%	5%	24%	23%	21%	26%	22%	25%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 8. ADS Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014												2019											
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props					
ADS	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	15	0%	0%	66%	61%	68%	64%	69%	64%	72%	53%	0%	0%	66%	63%	68%	64%	69%	64%	72%	53%				
	33	0%	0%	34%	39%	32%	36%	31%	36%	28%	47%	0%	0%	34%	37%	32%	36%	31%	36%	28%	47%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	15	0%	0%	66%	55%	68%	58%	65%	59%	74%	43%	0%	0%	68%	54%	68%	57%	65%	59%	74%	42%				
	33	0%	0%	34%	45%	32%	42%	35%	41%	26%	57%	0%	0%	32%	46%	32%	43%	35%	41%	26%	58%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	15	0%	0%	66%	61%	68%	64%	69%	64%	72%	53%	0%	0%	66%	63%	68%	64%	69%	64%	72%	53%				
	33	0%	0%	34%	39%	32%	36%	31%	36%	28%	47%	0%	0%	34%	37%	32%	36%	31%	36%	28%	47%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	15	0%	0%	66%	55%	68%	58%	65%	59%	74%	43%	0%	0%	68%	54%	68%	57%	65%	59%	74%	42%				
	33	0%	0%	34%	45%	32%	42%	35%	41%	26%	57%	0%	0%	32%	46%	32%	43%	35%	41%	26%	58%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 9. AFW Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019									
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
AFW	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	16L	1%	3%	3%	3%	14%	15%	12%	14%	18%	2%	1%	3%	3%	3%	14%	15%	12%	14%	18%	2%
	16R	60%	55%	53%	54%	64%	55%	58%	53%	51%	73%	63%	56%	54%	55%	64%	55%	58%	53%	51%	73%
	34L	39%	42%	42%	43%	20%	30%	28%	33%	27%	14%	37%	41%	41%	42%	21%	30%	28%	33%	27%	14%
	34R	0%	0%	2%	0%	1%	0%	2%	0%	4%	11%	0%	0%	2%	0%	1%	0%	2%	0%	4%	11%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	16L	23%	17%	16%	13%	37%	35%	51%	39%	41%	21%	22%	18%	15%	13%	37%	34%	51%	39%	41%	21%
	16R	67%	67%	75%	62%	38%	53%	31%	36%	36%	77%	69%	66%	76%	63%	38%	53%	31%	36%	36%	78%
	34L	5%	13%	8%	19%	17%	10%	5%	17%	3%	2%	4%	13%	8%	18%	17%	10%	5%	17%	3%	2%
	34R	5%	3%	1%	7%	8%	3%	12%	8%	20%	0%	4%	3%	1%	6%	8%	3%	12%	8%	20%	0%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	16L	1%	3%	3%	3%	14%	15%	12%	14%	18%	2%	1%	3%	3%	3%	14%	15%	12%	14%	18%	2%
	16R	60%	55%	53%	54%	64%	55%	58%	53%	51%	73%	63%	56%	54%	55%	64%	55%	58%	53%	51%	73%
	34L	39%	42%	42%	43%	20%	30%	28%	33%	27%	14%	37%	41%	41%	42%	21%	30%	28%	33%	27%	14%
	34R	0%	0%	2%	0%	1%	0%	2%	0%	4%	11%	0%	0%	2%	0%	1%	0%	2%	0%	4%	11%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	16L	23%	17%	16%	13%	37%	35%	51%	39%	41%	21%	22%	18%	15%	13%	37%	34%	51%	39%	41%	21%
	16R	67%	67%	75%	62%	38%	53%	31%	36%	36%	77%	69%	66%	76%	63%	38%	53%	31%	36%	36%	78%
	34L	5%	13%	8%	19%	17%	10%	5%	17%	3%	2%	4%	13%	8%	18%	17%	10%	5%	17%	3%	2%
	34R	5%	3%	1%	7%	8%	3%	12%	8%	20%	0%	4%	3%	1%	6%	8%	3%	12%	8%	20%	0%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 10. FTW Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

	FTW	Runway	2014										2019									
			Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	16		0%	100%	62%	54%	66%	66%	68%	61%	70%	63%	0%	100%	64%	56%	66%	65%	68%	61%	70%	63%
	34		0%	0%	38%	46%	34%	34%	32%	39%	30%	37%	0%	0%	36%	44%	34%	35%	32%	39%	30%	37%
	Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	16		0%	100%	76%	34%	74%	58%	77%	80%	84%	52%	0%	100%	76%	30%	73%	58%	77%	80%	84%	52%
	34		0%	0%	24%	66%	26%	42%	23%	20%	16%	48%	0%	0%	24%	70%	27%	42%	23%	20%	16%	48%
	Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	16		0%	100%	62%	54%	66%	66%	68%	61%	70%	63%	0%	100%	64%	56%	66%	65%	68%	61%	70%	63%
	34		0%	0%	38%	46%	34%	34%	32%	39%	30%	37%	0%	0%	36%	44%	34%	35%	32%	39%	30%	37%
	Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	16		0%	100%	76%	34%	74%	58%	77%	80%	84%	52%	0%	100%	76%	30%	73%	58%	77%	80%	84%	52%
	34		0%	0%	24%	66%	26%	42%	23%	20%	16%	48%	0%	0%	24%	70%	27%	42%	23%	20%	16%	48%
	Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 11. DTO Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019									
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
DTO	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	18	0%	0%	33%	73%	63%	66%	41%	68%	57%	79%	0%	0%	34%	73%	64%	64%	41%	68%	57%	79%
	36	0%	0%	67%	27%	37%	34%	59%	32%	43%	21%	0%	0%	66%	27%	36%	36%	59%	32%	43%	21%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	18	0%	0%	59%	0%	80%	84%	62%	84%	79%	88%	0%	0%	61%	0%	79%	83%	62%	84%	79%	89%
	36	0%	0%	41%	0%	20%	16%	38%	16%	21%	12%	0%	0%	39%	0%	21%	17%	38%	16%	21%	11%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	18	0%	0%	33%	73%	63%	66%	41%	68%	57%	79%	0%	0%	34%	73%	64%	64%	41%	68%	57%	79%
	36	0%	0%	67%	27%	37%	34%	59%	32%	43%	21%	0%	0%	66%	27%	36%	36%	59%	32%	43%	21%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	18	0%	0%	59%	0%	80%	84%	62%	84%	79%	88%	0%	0%	61%	0%	79%	83%	62%	84%	79%	89%
	36	0%	0%	41%	0%	20%	16%	38%	16%	21%	12%	0%	0%	39%	0%	21%	17%	38%	16%	21%	11%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 12. TKI Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014												2019											
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props					
TKI	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	17	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	17	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	17	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	17	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	35	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 13. GKY Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019									
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
GKY	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	16	0%	0%	49%	0%	59%	60%	54%	20%	67%	60%	0%	0%	51%	0%	60%	63%	54%	20%	67%	60%
	34	0%	0%	51%	100%	41%	40%	46%	80%	33%	40%	0%	0%	49%	0%	40%	37%	46%	80%	33%	40%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	16	0%	0%	86%	62%	72%	64%	81%	85%	82%	40%	0%	0%	86%	62%	71%	63%	81%	85%	82%	40%
	34	0%	0%	14%	38%	28%	36%	19%	15%	18%	60%	0%	0%	14%	38%	29%	37%	19%	15%	18%	60%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	16	0%	0%	49%	0%	59%	60%	54%	20%	67%	60%	0%	0%	51%	0%	60%	63%	54%	20%	67%	60%
	34	0%	0%	51%	100%	41%	40%	46%	80%	33%	40%	0%	0%	49%	0%	40%	37%	46%	80%	33%	40%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	16	0%	0%	86%	62%	72%	64%	81%	85%	82%	40%	0%	0%	86%	62%	71%	63%	81%	85%	82%	40%
	34	0%	0%	14%	38%	28%	36%	19%	15%	18%	60%	0%	0%	14%	38%	29%	37%	19%	15%	18%	60%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 14. RBD Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019									
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
RBD	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	13	0%	0%	8%	0%	63%	52%	48%	53%	30%	54%	0%	0%	14%	0%	63%	52%	48%	52%	30%	54%
	17	0%	0%	3%	0%	0%	0%	17%	22%	35%	21%	0%	0%	5%	0%	0%	0%	17%	22%	35%	21%
	31	0%	0%	89%	100%	37%	48%	35%	25%	35%	25%	0%	0%	81%	100%	37%	48%	35%	25%	36%	25%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	13	0%	0%	77%	67%	77%	32%	43%	3%	12%	20%	0%	0%	70%	42%	78%	31%	44%	3%	12%	20%
	17	0%	0%	0%	0%	0%	0%	35%	8%	70%	42%	0%	0%	0%	0%	0%	0%	34%	8%	70%	42%
	31	0%	0%	23%	33%	22%	68%	22%	89%	18%	38%	0%	0%	30%	58%	22%	69%	22%	89%	18%	38%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	13	0%	0%	8%	0%	63%	52%	48%	53%	30%	54%	0%	0%	14%	0%	63%	52%	48%	52%	30%	54%
	17	0%	0%	3%	0%	0%	0%	17%	22%	35%	21%	0%	0%	5%	0%	0%	0%	17%	22%	35%	21%
	31	0%	0%	89%	100%	37%	48%	35%	25%	35%	25%	0%	0%	81%	100%	37%	48%	35%	25%	36%	25%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	13	0%	0%	77%	67%	77%	32%	43%	3%	12%	14%	0%	0%	70%	42%	78%	32%	44%	3%	12%	14%
	17	0%	0%	0%	0%	0%	0%	35%	8%	70%	45%	0%	0%	0%	0%	0%	0%	34%	8%	70%	45%
	31	0%	0%	23%	33%	22%	68%	22%	89%	18%	40%	0%	0%	30%	58%	22%	68%	22%	89%	18%	40%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 15. FWS Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014										2019									
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props	
FWS	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	17R	0%	0%	43%	17%	77%	57%	73%	40%	59%	66%	0%	0%	50%	17%	77%	57%	73%	45%	59%	66%
	35L	0%	0%	57%	83%	23%	43%	27%	60%	41%	34%	0%	0%	50%	83%	23%	43%	27%	55%	41%	34%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	17R	0%	0%	11%	0%	73%	57%	75%	39%	74%	76%	0%	0%	11%	0%	72%	58%	75%	39%	74%	76%
	35L	0%	0%	89%	100%	27%	43%	25%	61%	26%	24%	0%	0%	89%	100%	28%	42%	25%	61%	26%	24%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	17R	0%	0%	43%	17%	77%	57%	73%	40%	59%	66%	0%	0%	50%	17%	77%	57%	73%	45%	59%	66%
	35L	0%	0%	57%	83%	23%	43%	27%	60%	41%	34%	0%	0%	50%	83%	23%	43%	27%	55%	41%	34%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	17R	0%	0%	11%	0%	73%	57%	75%	39%	74%	76%	0%	0%	11%	0%	72%	58%	75%	39%	74%	76%
	35L	0%	0%	89%	100%	27%	43%	25%	61%	26%	24%	0%	0%	89%	100%	28%	42%	25%	61%	26%	24%
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

**Table 16. NFW Runway Use Percentages – Proposed Action and No Action Alternative**

Source: PDARS Data (2011), HMMH June 2013

		2014												2019											
		Heavy Jet		Jets		Small Jets		Turbo-prop		Props		Heavy Jet		Jets		Small Jets		Turbo-prop		Props					
NFW	Runway	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
No Action Arrivals	17	75%	74%	70%	87%	75%	0%	76%	0%	76%	67%	76%	0%	70%	87%	75%	0%	76%	0%	76%	67%				
	35	25%	26%	30%	13%	25%	0%	24%	0%	24%	33%	24%	0%	30%	13%	25%	0%	24%	0%	24%	33%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No Action Departures	17	64%	100%	68%	92%	59%	100%	76%	0%	74%	100%	68%	0%	68%	92%	59%	100%	76%	0%	74%	100%				
	35	36%	0%	32%	8%	41%	0%	24%	0%	26%	0%	32%	0%	32%	8%	41%	0%	24%	0%	26%	0%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Arrivals	17	75%	74%	70%	87%	75%	0%	76%	0%	76%	67%	76%	0%	70%	87%	75%	0%	76%	0%	76%	67%				
	35	25%	26%	30%	13%	25%	0%	24%	0%	24%	33%	24%	0%	30%	13%	25%	0%	24%	0%	24%	33%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Proposed Action Departures	17	64%	100%	68%	92%	59%	100%	76%	0%	74%	100%	68%	0%	68%	92%	59%	100%	76%	0%	74%	100%				
	35	36%	0%	32%	8%	41%	0%	24%	0%	26%	0%	32%	0%	32%	8%	41%	0%	24%	0%	26%	0%				
	Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

### 3.2.5 Aircraft Fleet Mix

Fleet mix assumptions were developed for the North Texas OAPM EA as part of the forecasting effort. **Tables 17 and 18** presents the forecasted NIRS model fleet mixes for 2014 and 2019 for operations at the Study Airports for both the No Action and Proposed Action alternatives. The tables present the aircraft types as used in the NIRS model. Not all specific aircraft types that were present in the forecast are available aircraft types in the NIRS model. For those cases, FAA-approved substitutions provided in NIRS were chosen. Those not listed in NIRS as approved substitutions, a proposed NIRS aircraft type based on similar operating and noise characteristics was chosen and approved by FAA. The letter to the FAA requesting approval of these substitutions and the response from the FAA is included with this technical report as **Appendix 1**. There are no differences between the fleet mixes of the No Action and Proposed Action alternatives for a given model year (2014 or 2019).

**Table 17. Forecast Fleet Mix for Noise Modeling –Study Airports 2014 (1 of 3)**

Source: FAA, 5010 Database, PDARS Data (2011)

Cat.	NIRS Type	DFW		DAL		ADS	
		Arr.	Dep.	A	D	A	D
Heavy Jets	747400	0.67%	0.67%	0.00%	0.00%	0.00%	0.00%
	767300	1.48%	1.48%	0.00%	0.00%	0.00%	0.00%
	767400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777200	0.72%	0.72%	0.00%	0.00%	0.00%	0.00%
	777300	0.22%	0.22%	0.00%	0.00%	0.00%	0.00%
	74720B	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%
	767CF6	0.19%	0.19%	0.03%	0.03%	0.00%	0.00%
	A300-622R	0.43%	0.43%	0.00%	0.00%	0.00%	0.00%
	A310-304	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-301	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%
	A330-343	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%
	A340-211	0.06%	0.06%	0.00%	0.00%	0.00%	0.00%
	A340-642	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C17	0.02%	0.02%	0.17%	0.17%	0.00%	0.00%
	C5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Jets	DC1010	0.31%	0.31%	0.00%	0.00%	0.00%	0.00%
	DC870	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%
	KC135R	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD11PW	0.45%	0.45%	0.00%	0.00%	0.00%	0.00%
	717200	0.38%	0.38%	0.00%	0.00%	0.00%	0.00%
	737400	0.47%	0.47%	0.03%	0.03%	0.00%	0.00%
	737500	6.15%	6.15%	3.03%	3.03%	0.04%	0.04%
	737700	0.71%	0.71%	37.22%	37.22%	0.00%	0.00%
	737800	10.06%	10.06%	0.04%	0.04%	0.00%	0.00%
	757300	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%

**Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

		DFW		DAL		ADS	
Cat.	NIRS Type	Arr.	Dep.	A	D	A	D
	727EM1	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%
	727EM2	0.01%	0.01%	0.05%	0.04%	0.00%	0.00%
	7373B2	0.38%	0.38%	11.74%	11.74%	0.00%	0.00%
	737N17	0.00%	0.00%	0.04%	0.04%	0.22%	0.22%
	757RR	5.04%	5.04%	0.04%	0.04%	0.00%	0.00%
	A319-131	2.67%	2.67%	0.06%	0.06%	0.00%	0.00%
	A320-232	1.65%	1.65%	0.03%	0.03%	0.00%	0.00%
	A321-232	0.16%	0.16%	0.00%	0.00%	0.00%	0.00%
	BAC111	0.00%	0.00%	0.02%	0.02%	0.00%	0.00%
	BAE146	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C9B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	CL601	0.24%	0.24%	3.95%	4.17%	2.00%	1.88%
	CRJ9-ER	3.73%	3.73%	0.27%	0.27%	0.19%	0.19%
	DC93LW	0.00%	0.00%	0.03%	0.03%	0.10%	0.10%
	DC95HW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062	0.02%	0.02%	1.14%	1.25%	0.71%	0.72%
	F16GE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F-18	0.00%	0.00%	0.04%	0.04%	0.00%	0.00%
	F4C	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Props	GII	0.00%	0.00%	0.09%	0.09%	0.03%	0.03%
	GIIB	0.00%	0.00%	0.35%	0.35%	0.37%	0.37%
	GIV	0.04%	0.03%	1.79%	1.79%	1.48%	1.48%
	GV	0.02%	0.02%	1.61%	1.61%	0.31%	0.30%
	MD81	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%
	MD82	22.49%	22.49%	0.01%	0.01%	0.01%	0.01%
	MD83	14.07%	14.07%	0.08%	0.08%	0.01%	0.01%
	BEC58P	0.03%	0.03%	0.71%	0.71%	10.41%	10.40%
	CNA172	0.00%	0.00%	0.06%	0.06%	3.92%	3.92%
Small Jets	CNA182	0.00%	0.00%	0.06%	0.06%	1.26%	1.25%
	CNA206	0.01%	0.01%	0.45%	0.45%	7.02%	7.02%
	GASEPF	0.00%	0.00%	0.01%	0.01%	0.08%	0.08%
	GASEPV	0.01%	0.01%	0.53%	0.53%	8.51%	8.51%
	PA28	0.00%	0.00%	0.02%	0.02%	0.17%	0.17%
	PA30	0.00%	0.00%	0.02%	0.02%	0.07%	0.07%
	PA31	0.00%	0.00%	0.03%	0.03%	0.10%	0.10%
	A7D	0.00%	0.00%	0.00%	0.00%	0.03%	0.03%
	CIT3	0.01%	0.01%	1.07%	1.07%	2.73%	2.73%

Cat.	NIRS Type	DFW		DAL		ADS	
		Arr.	Dep.	A	D	A	D
Turboprops	CL600	0.07%	0.07%	2.78%	2.78%	2.40%	2.40%
	CL601S	0.01%	0.01%	1.44%	1.23%	0.98%	1.11%
	CNA500	0.09%	0.09%	3.42%	3.42%	7.68%	7.68%
	CNA510	0.01%	0.01%	1.72%	1.72%	1.09%	1.09%
	CNA55B	0.14%	0.14%	4.24%	4.23%	5.34%	5.33%
	CNA750	0.04%	0.04%	1.23%	1.23%	1.39%	1.39%
	ECLIPSE500	0.00%	0.00%	0.07%	0.07%	0.17%	0.18%
	EMB145	25.04%	25.04%	1.97%	1.97%	0.07%	0.06%
	F10062S	0.02%	0.02%	0.84%	0.74%	0.65%	0.64%
	FAL20	0.00%	0.01%	0.26%	0.26%	1.47%	1.47%
	IA1125	0.02%	0.02%	0.82%	0.82%	0.59%	0.59%
	LEAR25	0.00%	0.00%	0.05%	0.05%	0.75%	0.74%
	LEAR35	0.18%	0.18%	6.22%	6.23%	12.82%	12.84%
	MU3001	0.08%	0.08%	2.76%	2.76%	7.74%	7.74%
	T-38A	0.00%	0.00%	0.17%	0.17%	0.00%	0.00%
Turboprops	1900D	0.10%	0.10%	0.00%	0.00%	0.01%	0.01%
	CNA208	0.04%	0.04%	1.55%	1.55%	2.93%	2.94%
	CNA441	0.38%	0.38%	3.56%	3.56%	12.83%	12.84%
	DHC6	0.22%	0.22%	0.02%	0.01%	0.07%	0.07%
	DHC8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DHC830	0.20%	0.20%	0.78%	0.78%	0.00%	0.00%
	DO228	0.01%	0.01%	0.31%	0.31%	0.57%	0.57%
	DO328	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EMB120	0.22%	0.22%	0.00%	0.00%	0.00%	0.00%
	HS748A	0.00%	0.00%	0.04%	0.04%	0.01%	0.01%
	PA42	0.00%	0.00%	0.02%	0.02%	0.10%	0.10%
	SD330	0.01%	0.01%	0.90%	0.90%	0.57%	0.58%
	SF340	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Table 17. Forecast Fleet Mix for Noise Modeling –Study Airports 2014 (2 of 3)**

Source: FAA, 5010 Database, PDARS Data (2011)

Cat.	NIRS Type	AFW		FTW		DTO		TKI	
		Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Heavy Jets	747400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767300	0.11%	0.11%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
	767400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777200	0.16%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777300	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	74720B	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767CF6	0.13%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A300-622R	3.12%	3.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A310-304	3.40%	3.40%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-301	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-343	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-211	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-642	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C17	0.21%	0.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C5	0.06%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Jets	DC1010	5.49%	5.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC870	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	KC135R	0.23%	0.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD11PW	1.62%	1.62%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	717200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737400	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737500	0.03%	0.03%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
	737700	0.43%	0.43%	0.01%	0.01%	0.06%	0.06%	0.00%	0.00%
	737800	0.11%	0.11%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
	757300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM2	2.33%	2.33%	0.01%	0.01%	0.02%	0.02%	0.00%	0.00%
	7373B2	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737N17	0.00%	0.00%	0.00%	0.00%	0.12%	0.12%	0.00%	0.00%
	757RR	6.74%	6.71%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A319-131	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A320-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A321-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAC111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAE146	0.00%	0.00%	0.19%	0.19%	0.00%	0.00%	0.00%	0.00%

		AFW		FTW		DTO		TKI	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Props	C9B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	CL601	1.02%	0.82%	1.53%	1.45%	0.00%	0.00%	5.07%	5.19%
	CRJ9-ER	0.39%	0.39%	0.06%	0.06%	0.02%	0.00%	0.00%	0.00%
	DC93LW	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC95HW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062	0.24%	0.05%	3.84%	3.98%	0.00%	0.00%	0.00%	0.00%
	F16GE	0.11%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F-18	1.08%	1.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F4C	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GII	0.00%	0.00%	0.10%	0.11%	0.14%	0.14%	0.00%	0.00%
	GIIB	0.09%	0.09%	0.64%	0.65%	0.10%	0.10%	0.13%	0.13%
	GIV	0.41%	0.41%	1.93%	1.93%	0.30%	0.30%	1.36%	1.36%
	GV	0.10%	0.10%	0.50%	0.50%	0.06%	0.06%	4.34%	4.34%
	MD81	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
	MD82	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD83	0.01%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%
Small Jets	BEC58P	0.76%	0.76%	3.27%	3.27%	3.53%	3.49%	4.02%	4.02%
	CNA172	0.70%	0.69%	0.57%	0.57%	6.38%	6.39%	1.04%	1.02%
	CNA182	0.29%	0.30%	0.50%	0.50%	0.60%	0.60%	1.31%	1.31%
	CNA206	0.57%	0.56%	1.52%	1.52%	1.30%	1.31%	2.19%	2.17%
	GASEPF	0.04%	0.04%	0.19%	0.19%	0.20%	0.20%	0.21%	0.21%
	GASEPV	7.42%	7.39%	3.71%	3.70%	6.48%	6.47%	11.08%	11.08%
	PA28	0.14%	0.14%	0.68%	0.68%	0.52%	0.52%	0.55%	0.55%
	PA30	0.01%	0.01%	0.03%	0.03%	0.10%	0.10%	0.00%	0.00%
	PA31	0.15%	0.15%	0.11%	0.11%	0.10%	0.10%	0.08%	0.08%

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		AFW		FTW		DTO		TKI	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
	IA1125	0.19%	0.19%	3.56%	3.57%	1.20%	1.20%	4.36%	4.39%
	LEAR25	0.04%	0.04%	0.09%	0.09%	0.30%	0.30%	0.00%	0.00%
	LEAR35	2.24%	2.24%	9.81%	9.82%	4.23%	4.22%	9.14%	9.12%
	MU3001	3.73%	3.73%	4.56%	4.58%	2.83%	2.83%	16.04%	16.01%
	T-38A	24.48%	24.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Turbo-props	1900D	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	CNA208	2.85%	2.85%	1.50%	1.50%	4.25%	4.24%	8.54%	8.54%
	CNA441	11.26%	11.25%	16.80%	16.79%	40.82%	40.86%	5.04%	5.12%
	DHC6	0.01%	0.01%	0.13%	0.13%	0.16%	0.16%	0.05%	0.05%
	DHC8	2.95%	2.96%	0.00%	0.00%	0.06%	0.06%	0.00%	0.00%
	DHC830	0.00%	0.00%	0.08%	0.08%	0.00%	0.00%	0.00%	0.00%
	DO228	0.13%	0.13%	1.21%	1.21%	0.20%	0.20%	0.50%	0.50%
	DO328	1.70%	1.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EMB120	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	HS748A	0.31%	0.31%	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%
	PA42	0.00%	0.00%	0.09%	0.09%	0.10%	0.10%	0.21%	0.21%
	SD330	0.23%	0.24%	0.91%	0.92%	4.94%	4.96%	0.57%	0.57%
	SF340	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Table 17. Forecast Fleet Mix for Noise Modeling –Study Airports 2014 (3 of 3)**

Source: FAA, 5010 Database, PDARS Data (2011)

Cat.	NIRS Type	GKY		RBD		FWS		NFW	
		Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Heavy Jets	747400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	74720B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767CF6	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A300-622R	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A310-304	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-301	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-343	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-211	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-642	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.82%	0.82%
	C5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.18%	2.19%
Jets	DC1010	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.22%	0.22%
	DC870	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	KC135R	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.02%	2.02%
	MD11PW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	717200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737700	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	25.82%	25.79%
	737800	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.22%	0.22%
	757300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%	0.11%
	727EM1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	7373B2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.49%	0.49%
	737N17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	757RR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%	0.11%
	A319-131	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A320-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A321-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAC111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAE146	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

		GKY		RBD		FWS		NFW	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Props	C9B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.26%	1.26%
	CL601	0.90%	0.03%	0.00%	0.00%	0.81%	0.40%	0.00%	0.00%
	CRJ9-ER	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC93LW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	27.02%	27.05%
	DC95HW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062	0.61%	0.00%	0.00%	0.00%	0.73%	0.57%	0.00%	0.00%
	F16GE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.70%	13.72%
	F-18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.21%	7.21%
	F4C	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.07%	2.08%
	GII	0.17%	0.15%	0.29%	0.29%	0.00%	0.00%	0.00%	0.00%
	GIIB	0.00%	0.00%	2.88%	2.84%	0.34%	0.34%	0.00%	0.00%
	GIV	1.28%	1.31%	1.15%	1.19%	0.34%	0.34%	0.33%	0.33%
	GV	0.35%	0.38%	0.54%	0.54%	0.27%	0.27%	0.00%	0.00%
	MD81	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD82	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD83	0.00%	0.00%	0.00%	0.00%	0.13%	0.13%	0.00%	0.00%
Small Jets	BEC58P	16.77%	15.65%	6.12%	6.12%	7.96%	7.95%	0.00%	0.00%
	CNA172	11.39%	11.58%	0.83%	0.83%	5.60%	5.59%	0.00%	0.00%
	CNA182	3.64%	3.67%	2.45%	2.48%	4.52%	4.51%	0.11%	0.11%
	CNA206	3.55%	3.61%	5.48%	5.47%	4.05%	4.04%	0.00%	0.00%
	GASEPF	0.00%	0.00%	0.36%	0.36%	1.21%	1.21%	0.00%	0.00%
	GASEPV	7.48%	7.62%	11.96%	11.99%	12.82%	12.93%	2.29%	2.30%
	PA28	0.26%	0.26%	0.22%	0.22%	0.74%	0.74%	0.00%	0.00%
	PA30	0.06%	0.06%	0.04%	0.04%	0.88%	0.88%	0.00%	0.00%
	PA31	0.15%	0.17%	0.54%	0.54%	0.00%	0.00%	0.00%	0.00%
	A7D	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.93%	0.93%
	CIT3	1.54%	1.48%	5.33%	5.29%	3.17%	3.16%	0.00%	0.00%
	CL600	2.71%	2.50%	0.58%	0.58%	0.88%	0.81%	0.22%	0.22%
	CL601S	0.24%	1.13%	0.83%	0.83%	0.00%	0.40%	0.00%	0.00%
	CNA500	8.88%	9.08%	15.02%	15.05%	7.15%	7.00%	0.27%	0.27%
	CNA510	2.10%	2.15%	0.94%	0.90%	0.67%	0.67%	0.00%	0.00%
	CNA55B	2.85%	2.91%	1.84%	1.80%	3.64%	3.64%	0.00%	0.00%
	CNA750	0.64%	0.67%	0.40%	0.40%	0.47%	0.47%	0.27%	0.27%
	ECLIPSE500	0.20%	0.20%	1.40%	1.37%	3.04%	3.03%	0.00%	0.00%
	EMB145	0.09%	0.09%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062S	3.87%	4.60%	0.36%	0.36%	0.15%	0.44%	0.00%	0.00%
	FAL20	0.96%	0.99%	0.18%	0.18%	0.34%	0.34%	0.22%	0.22%

		GKY		RBD		FWS		NFW	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
	IA1125	1.28%	1.31%	0.94%	0.97%	0.54%	0.47%	0.00%	0.00%
	LEAR25	0.47%	0.47%	0.18%	0.18%	0.00%	0.00%	0.11%	0.11%
	LEAR35	7.48%	7.56%	4.97%	5.04%	8.10%	8.15%	1.91%	1.91%
	MU3001	6.17%	6.26%	6.02%	6.01%	10.73%	10.71%	0.00%	0.00%
	T-38A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	9.72%	9.67%
Turbo-props	1900D	0.00%	0.00%	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%
	CNA208	1.54%	1.57%	4.83%	4.86%	1.75%	1.82%	0.00%	0.00%
	CNA441	10.48%	10.68%	19.24%	19.22%	16.67%	16.63%	0.38%	0.38%
	DHC6	0.15%	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DHC8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DHC830	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DO228	0.93%	0.93%	0.14%	0.14%	1.69%	1.68%	0.00%	0.00%
	DO328	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EMB120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	HS748A	0.00%	0.00%	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%
	PA42	0.12%	0.12%	0.00%	0.00%	0.13%	0.13%	0.00%	0.00%
	SD330	0.67%	0.67%	1.12%	1.12%	0.47%	0.54%	0.00%	0.00%
	SF340	0.00%	0.00%	2.67%	2.66%	0.00%	0.00%	0.00%	0.00%

**Table 18. Forecast Fleet Mix for Noise Modeling –Study Airports 2019 (1 of 3)**

Source: PDARS Data (2011), HMMH June 2013

Cat.	NIRS Type	DFW		DAL		ADS	
		Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Heavy Jets	747400	0.78%	0.78%	0.00%	0.00%	0.00%	0.00%
	767300	1.72%	1.72%	0.00%	0.00%	0.00%	0.00%
	767400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777200	0.84%	0.84%	0.00%	0.00%	0.00%	0.00%
	777300	0.20%	0.20%	0.00%	0.00%	0.00%	0.00%
	74720B	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%
	767CF6	0.22%	0.22%	0.04%	0.04%	0.00%	0.00%
	A300-622R	0.39%	0.39%	0.00%	0.00%	0.00%	0.00%
	A310-304	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-301	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%
	A330-343	0.08%	0.08%	0.00%	0.00%	0.00%	0.00%
	A340-211	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%
	A340-642	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C17	0.01%	0.01%	0.14%	0.14%	0.00%	0.00%
	C5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Jets	DC1010	0.28%	0.28%	0.00%	0.00%	0.00%	0.00%
	DC870	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%
	KC135R	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD11PW	0.52%	0.52%	0.00%	0.00%	0.00%	0.00%
	717200	0.35%	0.35%	0.00%	0.00%	0.00%	0.00%
	737400	0.43%	0.43%	0.02%	0.02%	0.00%	0.00%
	737500	5.66%	5.66%	2.43%	2.43%	0.05%	0.04%
	737700	0.82%	0.82%	56.19%	56.20%	0.00%	0.00%
	737800	11.69%	11.69%	0.05%	0.05%	0.00%	0.00%
	757300	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM2	0.00%	0.00%	0.04%	0.04%	0.00%	0.00%
	7373B2	0.35%	0.35%	0.00%	0.00%	0.00%	0.00%
	737N17	0.00%	0.00%	0.03%	0.03%	0.22%	0.21%
	757RR	5.85%	5.85%	0.04%	0.04%	0.00%	0.00%
	A319-131	3.11%	3.11%	0.08%	0.08%	0.00%	0.00%
	A320-232	1.92%	1.92%	0.05%	0.05%	0.00%	0.00%
	A321-232	0.19%	0.19%	0.00%	0.00%	0.00%	0.00%
	BAC111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAE146	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Cat.	NIRS Type	DFW		DAL		ADS	
		Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Props	C9B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	CL601	0.22%	0.22%	3.16%	3.33%	2.61%	2.44%
	CRJ9-ER	4.33%	4.33%	0.25%	0.25%	0.20%	0.20%
	DC93LW	0.00%	0.00%	0.02%	0.02%	0.09%	0.10%
	DC95HW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062	0.02%	0.02%	0.96%	1.06%	0.72%	0.74%
	F16GE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F-18	0.00%	0.00%	0.04%	0.04%	0.00%	0.00%
	F4C	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GII	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GIIB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GIV	0.03%	0.03%	1.53%	1.53%	1.50%	1.49%
	GV	0.02%	0.02%	1.38%	1.38%	0.32%	0.31%
	MD81	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%
Small Jets	MD82	20.59%	20.59%	0.01%	0.01%	0.01%	0.01%
	MD83	12.88%	12.88%	0.06%	0.06%	0.01%	0.01%
	BEC58P	0.03%	0.03%	0.60%	0.60%	10.70%	10.71%
	CNA172	0.00%	0.00%	0.05%	0.05%	3.96%	3.96%
	CNA182	0.00%	0.00%	0.05%	0.05%	1.27%	1.27%
	CNA206	0.01%	0.01%	0.39%	0.39%	7.35%	7.34%
	GASEPF	0.00%	0.00%	0.01%	0.01%	0.09%	0.09%
	GASEPV	0.01%	0.01%	0.45%	0.45%	8.60%	8.60%
	PA28	0.00%	0.00%	0.02%	0.02%	0.17%	0.17%
	PA30	0.00%	0.00%	0.01%	0.01%	0.07%	0.07%
	PA31	0.00%	0.00%	0.03%	0.03%	0.11%	0.11%

		DFW		DAL		ADS	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
	IA1125	0.02%	0.02%	0.70%	0.70%	0.61%	0.60%
	LEAR25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	LEAR35	0.17%	0.17%	5.47%	5.47%	13.17%	13.17%
	MU3001	0.08%	0.08%	2.44%	2.44%	7.86%	7.86%
	T-38A	0.00%	0.00%	0.14%	0.14%	0.00%	0.00%
Turbo-props	1900D	0.10%	0.10%	0.00%	0.00%	0.01%	0.01%
	CNA208	0.03%	0.03%	1.41%	1.41%	2.99%	3.01%
	CNA441	0.37%	0.37%	3.04%	3.05%	12.96%	12.97%
	DHC6	0.22%	0.22%	0.01%	0.01%	0.07%	0.07%
	DHC8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DHC830	0.23%	0.23%	1.12%	1.12%	0.00%	0.00%
	DO228	0.00%	0.00%	0.26%	0.26%	0.57%	0.57%
	DO328	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EMB120	0.21%	0.21%	0.00%	0.00%	0.00%	0.00%
	HS748A	0.00%	0.00%	0.03%	0.03%	0.01%	0.01%
	PA42	0.00%	0.00%	0.01%	0.01%	0.11%	0.11%
	SD330	0.01%	0.01%	0.87%	0.87%	0.61%	0.62%
	SF340	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Table 18. Forecast Fleet Mix for Noise Modeling –Study Airports 2019 (2 of 3)**

Source: PDARS Data (2011), HMMH June 2013

Cat.	NIRS Type	AFW		FTW		DTO		TKI	
		Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Heavy Jets	747400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767300	0.17%	0.17%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
	767400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777200	0.23%	0.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777300	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	74720B	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767CF6	0.19%	0.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A300-622R	3.02%	3.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A310-304	3.28%	3.28%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-301	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-343	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-211	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-642	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C17	0.20%	0.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C5	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Jets	DC1010	5.30%	5.31%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC870	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	KC135R	0.22%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD11PW	2.30%	2.30%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	717200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737400	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737500	0.03%	0.03%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
	737700	0.47%	0.45%	0.02%	0.02%	0.06%	0.06%	0.00%	0.00%
	737800	0.16%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	757300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM2	0.01%	0.01%	0.01%	0.01%	0.02%	0.02%	0.00%	0.00%
	7373B2	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737N17	0.00%	0.00%	0.00%	0.00%	0.11%	0.11%	0.00%	0.00%
	757RR	10.21%	10.20%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A319-131	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A320-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A321-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAC111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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		AFW		FTW		DTO		TKI	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Props	BAE146	0.00%	0.00%	0.20%	0.20%	0.00%	0.00%	0.00%	0.00%
	C9B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	CL601	0.92%	0.74%	1.37%	1.30%	0.00%	0.00%	4.85%	4.97%
	CRJ9-ER	0.44%	0.44%	0.07%	0.07%	0.02%	0.02%	0.00%	0.00%
	DC93LW	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC95HW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062	0.24%	0.05%	4.08%	4.23%	0.00%	0.00%	0.00%	0.00%
	F16GE	0.10%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F-18	1.04%	1.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F4C	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GII	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GIIB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GIV	0.41%	0.41%	2.05%	2.05%	0.31%	0.31%	1.35%	1.35%
	GV	0.10%	0.10%	0.53%	0.53%	0.06%	0.06%	4.40%	4.40%
	MD81	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
	MD82	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD83	0.01%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%
Small Jets	BEC58P	0.74%	0.74%	3.49%	3.49%	3.58%	3.52%	4.05%	4.05%
	CNA172	0.68%	0.68%	0.61%	0.61%	6.45%	6.50%	1.05%	1.03%
	CNA182	0.28%	0.30%	0.53%	0.53%	0.59%	0.59%	1.30%	1.30%
	CNA206	0.56%	0.55%	1.62%	1.62%	1.32%	1.32%	2.23%	2.20%
	GASEPF	0.04%	0.04%	0.20%	0.20%	0.19%	0.19%	0.23%	0.23%
	GASEPV	7.24%	7.23%	3.95%	3.93%	6.56%	6.56%	11.18%	11.18%
	PA28	0.13%	0.13%	0.72%	0.72%	0.52%	0.52%	0.55%	0.55%
	PA30	0.01%	0.01%	0.03%	0.03%	0.10%	0.10%	0.00%	0.00%
	PA31	0.15%	0.15%	0.12%	0.12%	0.10%	0.10%	0.07%	0.08%

		AFW		FTW		DTO		TKI	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Turbo-props	FAL20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	IA1125	0.19%	0.19%	3.78%	3.78%	1.22%	1.22%	4.40%	4.40%
	LEAR25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	LEAR35	2.22%	2.21%	10.24%	10.25%	4.29%	4.28%	9.15%	9.13%
	MU3001	3.67%	3.67%	4.74%	4.76%	2.83%	2.83%	16.13%	16.13%
	T-38A	23.66%	23.67%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Turbos	1900D	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	CNA208	2.85%	2.83%	1.60%	1.60%	4.30%	4.30%	8.63%	8.63%
	CNA441	11.02%	11.01%	17.45%	17.45%	41.27%	41.28%	5.05%	5.13%
	DHC6	0.01%	0.01%	0.14%	0.14%	0.17%	0.17%	0.05%	0.05%
	DHC8	3.07%	3.08%	0.00%	0.00%	0.06%	0.06%	0.00%	0.00%
	DHC830	0.00%	0.00%	0.08%	0.08%	0.00%	0.00%	0.00%	0.00%
	DO228	0.13%	0.13%	1.19%	1.18%	0.19%	0.19%	0.48%	0.48%
	DO328	1.64%	1.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EMB120	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	HS748A	0.30%	0.30%	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%
	PA42	0.00%	0.00%	0.09%	0.09%	0.10%	0.10%	0.23%	0.23%
	SD330	0.24%	0.24%	0.91%	0.92%	5.01%	5.01%	0.55%	0.55%
	SF340	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Table 18. Forecast Fleet Mix for Noise Modeling –Study Airports 2019 (3 of 3)**

Source: PDARS Data (2011), HMMH June 2013

Cat.	NIRS Type	GKY		RBD		FWS		NFW	
		Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Heavy Jets	747400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	777300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	74720B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	767CF6	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A300-622R	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A310-304	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-301	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A330-343	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-211	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A340-642	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.85%	0.85%
	C5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Jets	DC1010	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC870	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	KC135R	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.24%	2.24%
	MD11PW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	717200	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737400	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	737700	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	26.30%	26.23%
	737800	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	0.21%
	757300	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%	0.11%
	727EM1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	727EM2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	7373B2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.48%	0.48%
	737N17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	757RR	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%	0.11%
	A319-131	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A320-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	A321-232	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	BAC111	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

		GKY		RBD		FWS		NFW	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
Props	BAE146	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	C9B	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.38%	1.39%
	CL601	0.86%	0.00%	0.00%	0.00%	0.80%	0.40%	0.00%	0.00%
	CRJ9-ER	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DC93LW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	26.25%	26.28%
	DC95HW	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	F10062	0.61%	0.00%	0.00%	0.00%	0.72%	0.57%	0.00%	0.00%
	F16GE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.54%	14.55%
	F-18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.67%	7.68%
	F4C	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.24%	2.24%
	GII	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GIIB	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	GIV	1.31%	1.34%	1.22%	1.26%	0.40%	0.40%	0.37%	0.37%
	GV	0.35%	0.38%	0.57%	0.57%	0.27%	0.27%	0.00%	0.00%
Small Jets	MD81	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD82	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	MD83	0.00%	0.00%	0.00%	0.00%	0.13%	0.13%	0.00%	0.00%
	BEC58P	16.91%	15.78%	6.34%	6.28%	8.01%	7.86%	0.00%	0.00%
	CNA172	11.45%	11.65%	0.86%	0.86%	5.67%	5.66%	0.00%	0.00%
	CNA182	3.66%	3.69%	2.58%	2.58%	4.54%	4.59%	0.16%	0.16%
	CNA206	3.57%	3.63%	5.70%	5.71%	4.07%	4.06%	0.00%	0.00%
	GASEPF	0.00%	0.00%	0.39%	0.39%	1.20%	1.20%	0.00%	0.00%
	GASEPV	7.61%	7.76%	12.33%	12.35%	12.88%	12.98%	2.45%	2.45%
	PA28	0.26%	0.26%	0.25%	0.25%	0.73%	0.73%	0.00%	0.00%
	PA30	0.06%	0.06%	0.07%	0.07%	0.87%	0.87%	0.00%	0.00%
	PA31	0.15%	0.17%	0.57%	0.57%	0.00%	0.00%	0.00%	0.00%

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		GKY		RBD		FWS		NFW	
Cat.	NIRS Type	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.	Arr.	Dep.
S Turbo-props	FAL20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	IA1125	1.28%	1.31%	1.00%	1.01%	0.53%	0.47%	0.00%	0.00%
	LEAR25	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	LEAR35	7.67%	7.76%	5.16%	5.17%	8.08%	8.26%	2.13%	2.13%
	MU3001	6.31%	6.39%	6.27%	6.28%	10.81%	10.72%	0.00%	0.00%
	T-38A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	10.33%	10.34%
S Turboshaft	1900D	0.00%	0.00%	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%
	CNA208	1.57%	1.60%	4.98%	5.03%	1.74%	1.86%	0.00%	0.00%
	CNA441	10.69%	10.90%	19.71%	19.74%	16.62%	16.58%	0.43%	0.43%
	DHC6	0.17%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DHC8	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DHC830	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	DO228	0.96%	0.96%	0.14%	0.14%	1.74%	1.73%	0.00%	0.00%
	DO328	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	EMB120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	HS748A	0.00%	0.00%	0.07%	0.07%	0.00%	0.00%	0.00%	0.00%
	PA42	0.12%	0.12%	0.00%	0.00%	0.13%	0.13%	0.00%	0.00%
	SD330	0.73%	0.73%	1.11%	1.11%	0.60%	0.60%	0.00%	0.00%
	SF340	0.00%	0.00%	3.01%	3.02%	0.00%	0.00%	0.00%	0.00%

### 3.2.6 Aircraft Noise-Power-Distance (NPD) Curves

NIRS uses tables of sound exposure levels for specific aircraft and associated engines that determine how the sound level varies with the power setting of the engines and with the distance from the engine to the observer on the ground. These tables are termed noise-power distance (NPD) curves. The NPD curves developed by the FAA for Release 7.0b.3 of NIRS were used in this analysis.

The NPD curves are accessed during NIRS noise calculations to determine the noise levels at each population and grid location. The contribution of each operation assigned to every flight track is calculated for every location depending on the power setting for each flight segment in each track, and upon the distance to the aircraft on each segment. The total noise exposure at each location is determined by aggregating the effects across all operations.<sup>10,11</sup>

### 3.2.7 Aircraft Climb/Descent Profiles

To accurately model noise exposure, NIRS has the capability to include specified altitude restrictions incorporated in the flight track and operations data. The modeled aircraft trajectory in NIRS will reflect altitude information provided by the air traffic procedure design, rather than following a standard procedure profile, as is ordinarily done in INM studies. NIRS automatically generates profiles for each aircraft operation on each flight track that are consistent both with the specified altitudes and the NIRS aircraft-performance database.

The altitude-following capability is only applied above altitudes of 3,000 feet Above Field Elevation (AFE).<sup>12</sup> This means, that for all flight tracks, the NIRS standard procedure profile will be used up to 3,000 feet AFE. Above 3,000 feet AFE, the profile will follow the specified air traffic procedure altitude controls design. Four types of altitude control have been encoded in the input files as follows: (1) no altitude control; (2) fly to a specified altitude or higher; (3) fly to a specified altitude; and (4) fly to a specified altitude or lower.

All routes are checked for violations of general profile constraints, such as maximum climb and descent angles. If necessary, the route is flagged for further modification to remedy such violations.

Once each profile meets all constraints, thrust is calculated according to whether the aircraft is climbing or descending along different parts of the route. NIRS climb calculations use maximum climb thrust from 10,000 feet to 18,000 feet AFE for continuous or uninterrupted climbs. If there are level segments, NIRS will apply the appropriate thrust levels during the level segment, then apply maximum climb thrust at the point where the climb continues. NIRS descent calculations use a straight-line geometric descent from higher altitudes (i.e., above 6,000 feet AFE) as specified in the air traffic control design. If there is a level segment, NIRS will apply the appropriate thrust level while the aircraft is on that segment. Below 10,000 feet AFE for departures and below 6,000 feet AFE for arrivals, NIRS uses the appropriate thrust and aircraft configurations available in the NIRS database required to fly the profile specified in the air traffic procedure design. For more information related to available aircraft operating configuration and thrust options, refer to the NIRS User Manual.<sup>13</sup>

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<sup>10</sup> U.S. Department of Transportation, Federal Aviation Administration, NIRS User's Guide, Version 7.0b.2, February 2012.

<sup>11</sup> U.S. Department of Transportation, Federal Aviation Administration, INM Technical Manual, Version 7.0., January 2008.

<sup>12</sup> U.S. Department of Transportation, Federal Aviation Administration, FAA Notice 7210.360, *Noise Screening Procedures for Certain Air Traffic Actions Above 3,000 Feet AGL*, September 14, 1990

<sup>13</sup> U.S. Department of Transportation, Federal Aviation Administration, Noise Integrated Routing System User's Guide Version 7.0b.2, February 2012.

Routes that have no altitudes higher than 3,000 feet AFE are treated as special “low altitude route” cases. They are processed as follows:

- **Procedure 1** - The highest altitude on a particular flight track is identified.
- **Procedure 2** - For departures, the standard-procedure profile is used until reaching the track distance associated with that highest altitude. Altitude controls after that point are followed in order to maintain the subsequent descent.
- **Procedure 3** - For arrivals, altitude controls prior to the track distance associated with the highest altitude are followed (in order to maintain an initial climb, for example). The standard procedure profile is followed from the highest altitude to the runway.

For the North Texas OAPM EA, there were no routes that stayed at or were lower than 3,000 feet AFE.

### **3.2.8 Aircraft Stage Length**

Stage length is the term used in NIRS to refer to the length of the trip planned for each departure operation from origin to destination. The trip length is needed in noise calculations because it influences the take-off weight of the aircraft, which is greater for longer trips, and lesser for shorter trips. The great-circle distance<sup>14</sup> is used to calculate a stage length for each aircraft operation. For purposes of this noise analysis, arrival and departure airport pairs were input into the NIRS model, which automatically assigned the appropriate stage length.

### **3.2.9 Flight Track Definitions**

To determine projected noise levels on the ground, it is necessary to determine not only how many aircraft are present, but also where they fly. Therefore, flight route information is a key element of the NIRS input data. In order to ensure that the NIRS modeling accurately reflects local conditions in the North Texas Metroplex it is necessary to develop noise modeling tracks from a sample of detailed radar data. The radar data sample described in Section 3.2.4 was also used to develop the model flight tracks. This detailed information allowed for the development of a sufficiently rigorous database of flight tracks for the noise modeling effort representing AAD conditions.

Proprietary software was utilized for the detailed analysis of radar data for each North Texas OAPM EA Study Airport. The data was separated first by airport and operation type (i.e. arrival, departure). Spatial analysis, via proprietary software, was conducted to develop bundles (a grouping of tracks representing a traffic flow) of radar tracks based on runway, aircraft category (i.e. jet, prop), and route similarity. The radar bundling process also included a review of the 3-dimensional aspect of each group of radar tracks. Bundles were split as necessary to isolate groups of tracks with restricted climb or descent profiles. Such groups generally represent flights operating along specific ATC climb or descent procedures or via ATC instructions. Once the radar track bundles were complete, the development of noise modeling input tracks was initiated.

Automated special analysis calculations were applied to the bundles to calculate primary, or backbone, flight tracks for each radar track bundle. The proprietary software also allows for the simultaneous computation of sub-tracks that are located adjacent to the backbone track. These sub-tracks account for the dispersion of actual flights about the primary flight corridor based on the distribution of radar tracks within each bundle. The spatial analysis process computes the appropriate number of sub-tracks and distributional factors in combination with the statistical lateral distribution of the radar tracks at many

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<sup>14</sup> The great-circle distance is the distance calculated from the origin airport reference point to the destination airport reference point in nautical miles.

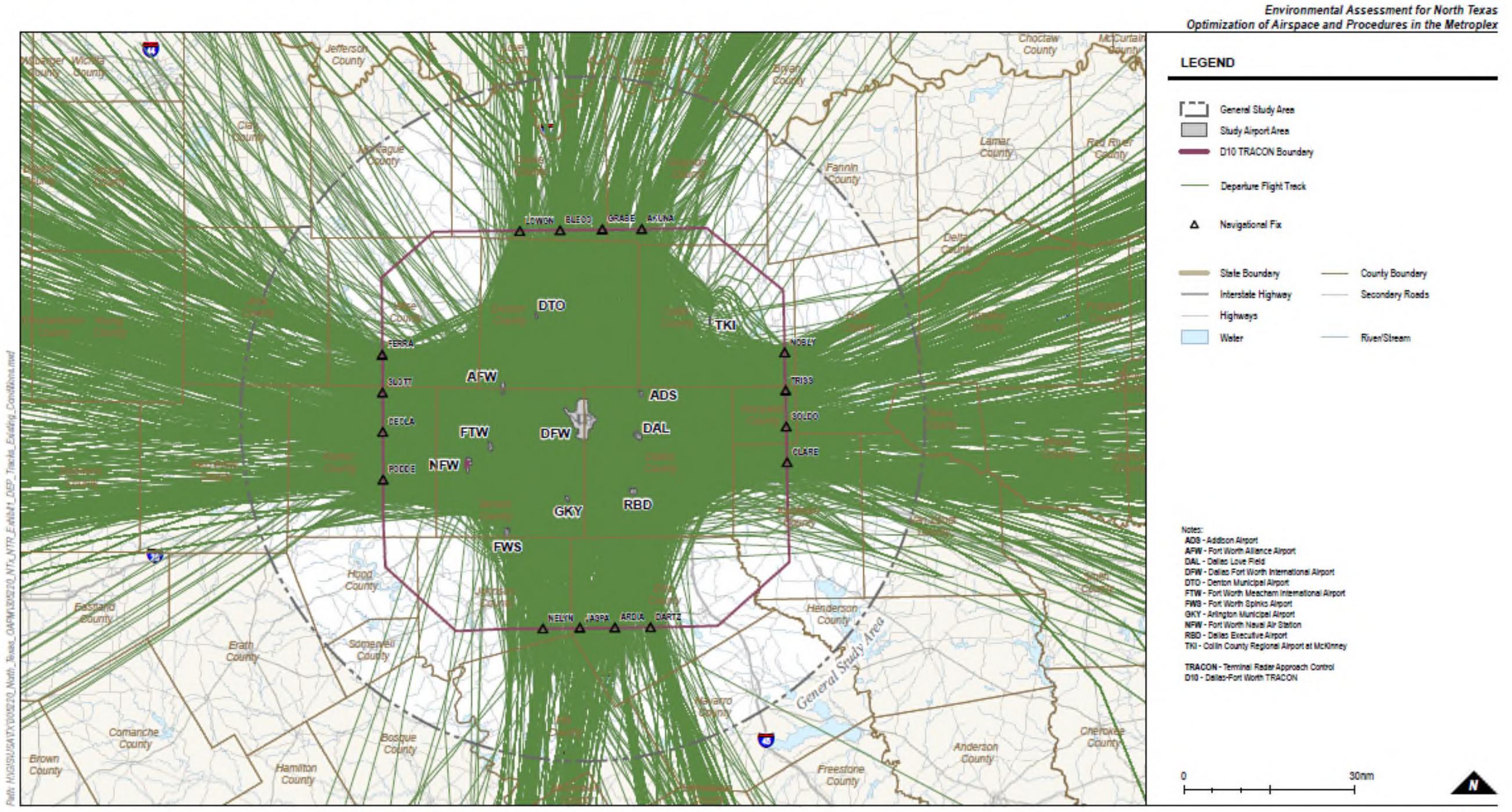
locations along the flight corridor to determine the appropriate spacing between the sub-tracks at each location. The number of sub-tracks and the distributional factor associated with each model track are chosen based on the number of radar tracks in the bundle and their general spread throughout the traffic flow.

The radar data analysis resulted in the development of 6,352 unique departure tracks or NIRS model input (backbones and sub-tracks). **Exhibit 1** presents an overview of the North Texas Metroplex NIRS departure tracks used in the modeling of 2011 Existing Conditions. The analysis also resulted in the development of 7,325 unique arrival tracks that were developed for NIRS model input (backbones and sub-tracks). **Exhibit 2** presents the resulting North Texas Metroplex NIRS arrival tracks used in the modeling of 2011 Existing Conditions.

For the most part, the routing for No Action airspace procedures in 2014 and 2019 is anticipated to be exactly the same as for 2011 Existing Conditions, excluding the addition of previously developed procedures identified as having independent utility and were separately analyzed for environmental effects (see Table 5-8, *Past, Present, and Reasonably Foreseeable Future Actions* in Section 5.11 of the EA.) In this light, the model backbones and sub-tracks created from current condition radar data including these procedures and were used directly in the modeling of No Action scenarios.



**Exhibit 1. North Texas OAPM NIRS Departure Tracks – Existing Conditions**



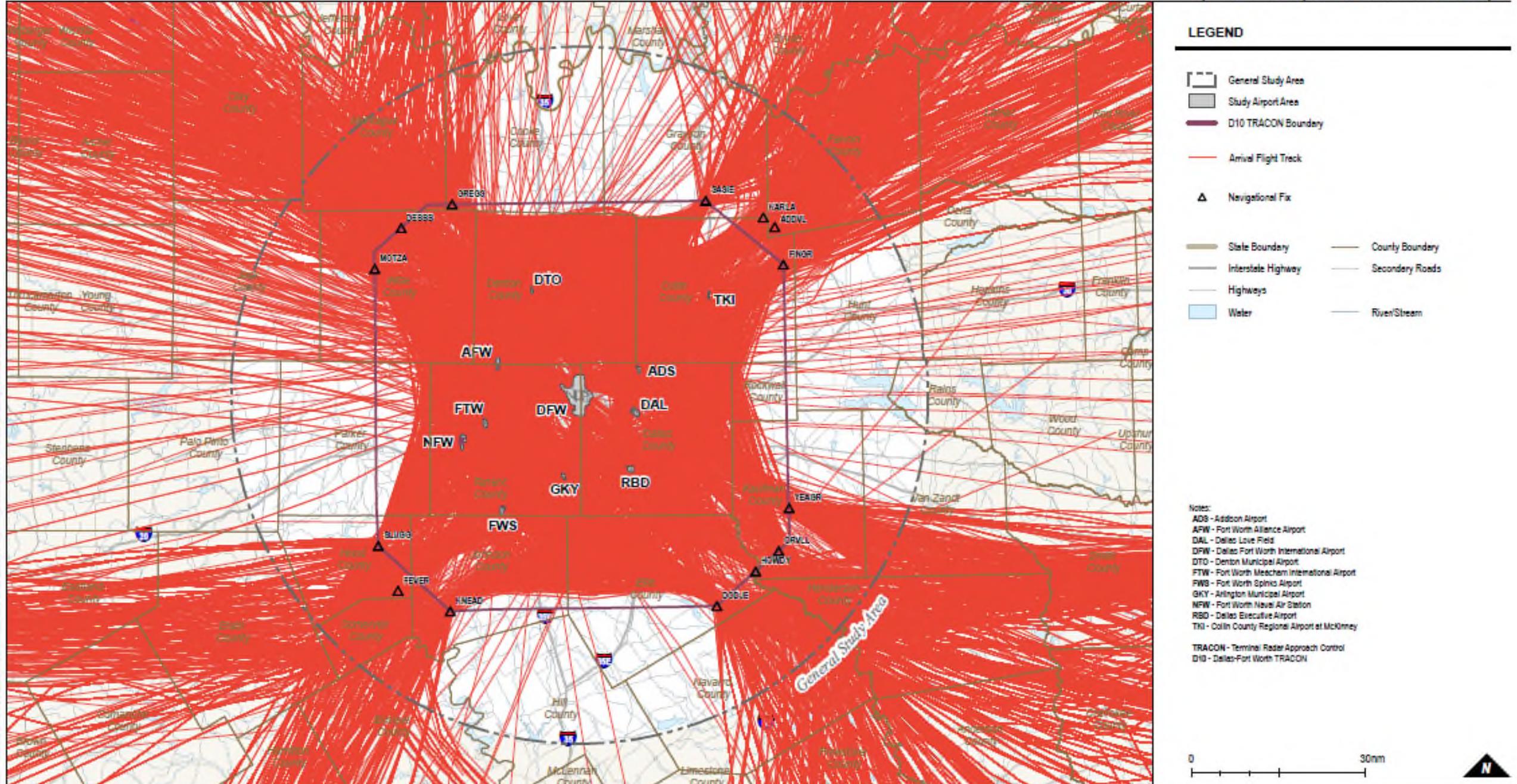
**Exhibit 1**

Departure Tracks  
Existing Conditions  
Average Annual Day

**North Texas OAPM EA**

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## Exhibit 2. North Texas OAPM NIRS Arrival Tracks – Existing Conditions

Environmental Assessment for North Texas  
Optimization of Airspace and Procedures in the Metroplex

Data Source: HWMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDADS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

**Exhibit 2**

**Arrival Tracks  
Existing Conditions  
Average Annual Day**

**North Texas OAPM EA**

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### **3.2.10 Flight Track Assignments**

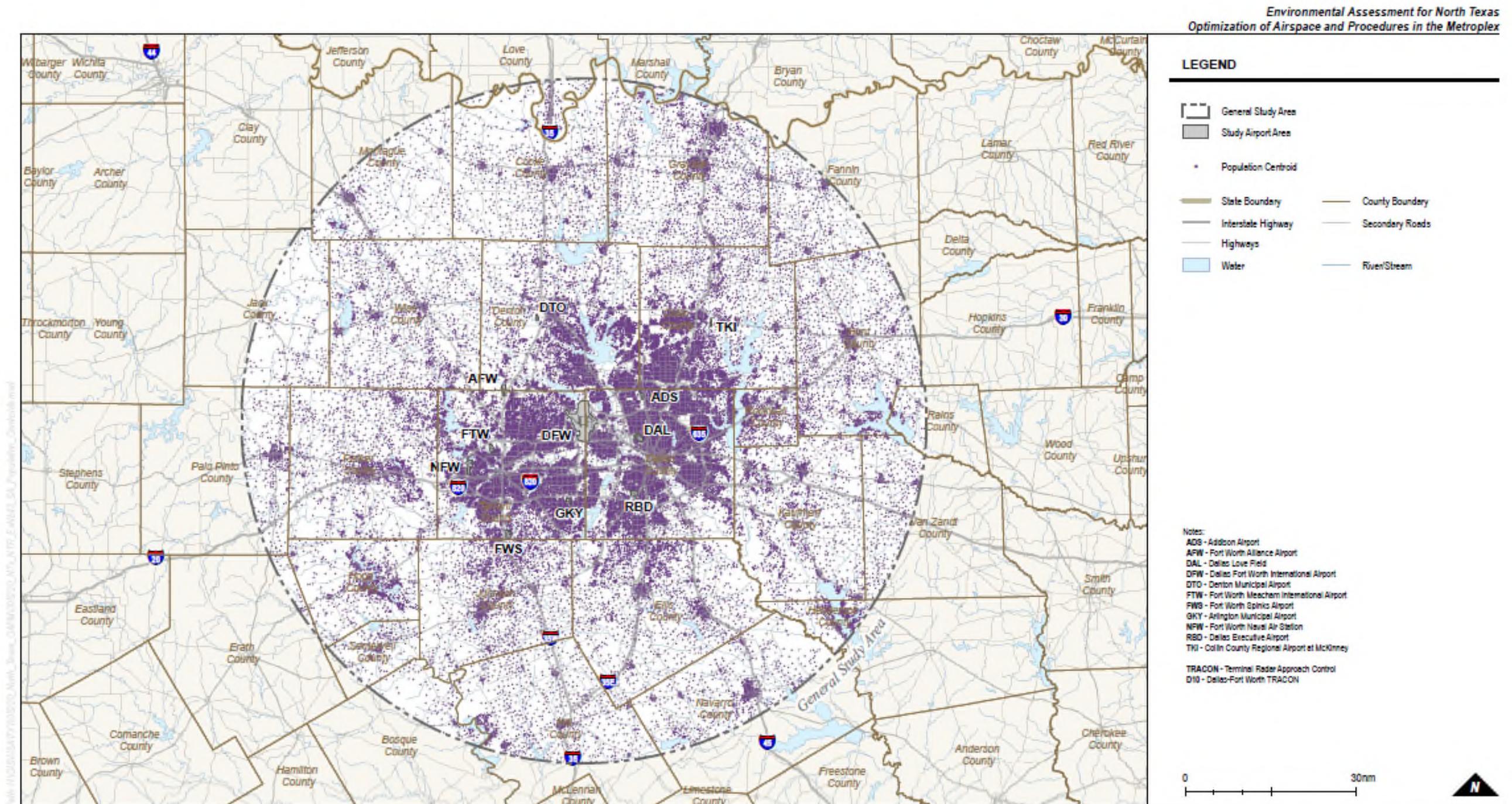
The final step in developing the flight track input data for the NIRS model is the assignment of aircraft to specific flight tracks. The radar data sample acquired for the flight track analysis was used as a basis for this analysis. The flight data associated with the bundle of radar data used to make the NIRS backbone track was retained as an attribute of each backbone track. This data included aircraft type, time-of-day (day or night), and flight origin or destination.

The flights at each Study Airport modeled for 2014 and 2019 were provided as part of the forecasts. These forecasts included aircraft type, time-of-day, and origin/destination data. Each of the flights in the design-day schedule was parsed into fractions of operations assigned to a specific runway based on the aforementioned runway use percentages. Once parsed by runway, the flights were then further parsed to each NIRS backbone based on the proportion of radar tracks that match the aircraft category (jet, turboprop, prop), time-of-day (day or night) and the airspace fix predominately used by the origin/destination of the scheduled flight. Thus the weighting of the flight tracks and routes was closely tied to the real-world radar data from the North Texas Metroplex area. The process of track assignments continued until all forecasted operations for each Study Airport had been assigned. Once assigned to a specific backbone, the operations are further parsed to make the proportional assignments to the sub tracks associated with each backbone.

### **3.2.11 Population Data**

Population locations were extracted from 2010 U.S. Census data for the entire GSA. The Census data were incorporated into the analysis using census blocks, the smallest area within the Census database that includes defined population data. Geographically, census blocks vary in size but tend to represent city blocks in urban areas and larger areas in rural regions. Each census block includes a centralized point known as a centroid which was used for noise computation. Of the 168,297 census block centroids identified in the GSA, 70,000 were devoid of population and excluded from the analysis. **Exhibit 3** depicts the GSA and extracted population centroids.

**Exhibit 3. North Texas OAPM GSA Population**



**North Texas OAPM EA**

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## **4 Noise Modeling Procedures**

NIRS processes flight-track and operation data following several major steps: data integration and quality control, calculation of flight dynamics (i.e., thrust and speed), noise exposure computation, annualization of noise exposures, change of exposure analysis, and report generation. Key aspects of this process are discussed below.

### **4.1 Model Input**

The input for the NIRS modeling effort was developed in accordance with the data, sources, and methodologies presented in the previous sections. The input representing the AAD of operations for the No Action Alternative was fed to the NIRS model unchanged from the results described in the earlier sections. The input files for the Proposed Action and No Action Alternative vary due to the differences in procedures under each alternative.

### **4.2 Data Integrity Checks**

Before noise calculations are carried out, the NIRS pre-processor is run on all data components that contribute to noise for a given annualized scenario. The resulting operation counts are checked against expected counts, and modeled fleet mix tables are reviewed for consistency with the noise modeling assumptions. Profiles and operations were checked during the same pre-noise calculations, and profiles that violate the following rules were flagged:

<u>Flag Type</u>	<u>Rule</u>
Climb/Descent	No angles greater than 30 degrees
Altitude Controls	There must be at least one altitude set above ground level
Aircraft	There must be an INM profile aircraft type
Runways	Assigned runways must be longer than aircraft takeoff distance

Track/aircraft combinations with flagged profiles are rejected by NIRS prior to noise calculations. Elements of the input data that failed the above tests or that were not readable due to format errors were reviewed and modified.

### **4.3 Develop Output Reports for Impact Analysis**

After all noise calculations are complete, NIRS is used to determine noise impacts by locating and categorizing changes in noise values between scenarios. Using FAA scoring criteria (significant impact and reportable noise change thresholds described in Section 1.1, *Noise Impact Criteria*), maps depicting zones of various types of change in annualized DNL noise exposure between scenarios are typically produced within NIRS for the entire GSA.

The FAA scoring criteria is used to compare DNL changes at the population centroids and grid points in the GSA. For each scenario, all population is divided into three categories: (1) those receiving an increase at or above a threshold in noise exposure relative to the baseline (No Action); (2) those receiving a decrease at or below a threshold; and (3) those having no changes that exceed the thresholds.

## 5 NIRS Analysis

A NIRS model analysis was conducted for each of the five scenarios outlined in Section 2.1. Noise impact results were tabulated based on the potential implementation of the Proposed Action compared to the No Action Alternative at the previously described population centroids and supplemental grid points. The following sections present both a summary of the NIRS input modifications made to model the Proposed Action and the results of the noise analysis for each scenario.

### 5.1 Existing Conditions and No Action Conditions

The existing conditions for 2011 and the No Action conditions for 2014 and 2019 were modeled in NIRS. For the purposes of this study, the 2014 and 2019 No Action conditions vary slightly from 2011 aircraft flight trajectories in that they include (1) air traffic actions and (2) airport modifications having independent utility that will be implemented after 2011. The one air traffic action is a modification to the DUMPY STAR (DUMPY FOUR) procedure (the change consists of a heading change from 310 degrees to 315 degrees to account for wind drift of existing tracks) which serves DFW, DAL, ADS and TKI. This procedure became part of the No Action baseline for both 2014 and 2019, and is considered as existing procedures when analyzed against the OAPM procedures being assessed as part of this EA. The two airport changes are the shifting of Runway 18-36 at TKI to the east (Completed in 2012) and the extensions of the parallel runways at AFW to the north (to be completed in 2016 and therefore included in the 2019 analysis). The one airspace procedure and the two airport modifications were previously evaluated through separate environmental analysis documentation. The environmental documentation prepared for these changes is discussed further in Section 5.11 of the EA, *Cumulative Impacts* (see North Texas OAPM EA Table 5-8, *Past, Present, and Reasonably Foreseeable Future Actions*.)

### 5.2 No Action Noise Model Input

For the No Action conditions the NIRS input was directly based on the radar data analysis presented in previous sections and adjusted for interim changing conditions. These changing conditions include the one independent utility procedure and two airport modifications discussed in Section 5.1.

Procedures for the optimization of arrivals and departures for the various runway operating configurations that would be in use in 2014 and 2019 were based on input from the North Texas OAPM Design & Implementation Team (D&I Team). Input from the North Texas OAPM D&I Team indicated that runway operating configuration use and specific runway use is not expected to change from that employed in 2011. Excluding 2014 and 2019 operational levels, fleet mix, and city-pairs, the model input for both years remained the not notably different.

### 5.3 Proposed Action Model Input

The Proposed Action consists of 75 new or modified air traffic procedures as discussed in the EA, Chapter 3, *Alternatives*. Those modifications were implemented in the noise modeling through adjustments to the flight track routing at the Study Airports, or developed in NIRS as new tracks. The flight track adjustments are further discussed in the following sections. Because the Proposed Action does not involve changes that are considered capacity enhancements or any actions that would induce growth in operations, operation levels, fleet mix and day/night distribution input was the same as for No Action for both 2014 and 2019. Environmental variables (i.e., temperature, humidity, barometric pressure, and headwind) were the same among Existing Conditions, No Action and Proposed Action. The following sections describe changes related to the NIRS tracks developed for the Proposed Action.

### Major Study Airports - Arrivals

**Exhibit 4** compares the routing flow differentials between the Proposed Action (left) and No Action (right) for arrivals to the major Study Airports under south flow conditions. Similarly, **Exhibit 5** depicts the routing flow differentials between the Proposed Action (left) and No Action (right) for arrivals to the major Study Airports under north flow conditions. (No Action arrival corridors are depicted in Exhibits 3-11 and 3-13 in Section 3.2.1 of the EA and Proposed Action arrival corridors are depicted in Exhibits 3-20 and 3-22 in Section 3.2.2 of the EA.) The Proposed Action changes constitute a general trend away from radar vector operational ATC procedures for portions of the arrival trajectory and towards increased use of Area Navigation (RNAV) Standard Terminal Arrival (STAR) procedures.

This represents a greater use of standardized procedures that increase routing predictability, flexibility and traffic segregation. The changes between Proposed Action and No Action routing for NIRS arrival tracks to the Study Airports are shown on **Exhibit 6**. Proposed Action routes are depicted in purple, and No Action routes are depicted in orange. **Exhibit 6A** displays the same information as **Exhibit 6** but highlights the Proposed Action RNAV procedures which are shown in red.

### Major Study Airports - Departures

**Exhibit 7** compares the routing flow differentials between the Proposed Action (left) and No Action (right) for departures from the major Study Airports under south flow conditions. Similarly, **Exhibit 8** depicts the routing flow differentials between the Proposed Action (left) and No Action (right) for departures from the major Study Airports under north flow conditions. (No Action departure corridors are depicted in Exhibits 3-12 and 3-14 in Section 3.2.1 and Proposed Action departure corridors are depicted in Exhibits 3-21 and 3-23 in Section 3.2.2.) The Proposed Action changes constitute a general trend away from radar vector operational ATC procedures for portions of the departure trajectory, towards increased use of RNAV Standard Instrument Departure (SID) procedures. This represents a greater use of standardized procedures that increase routing predictability, flexibility and traffic segregation. The changes between Proposed Action and No Action routing for NIRS departures tracks from the major study airports are presented in **Exhibit 9**. Noise abatement procedures such as the TRINITY departure procedure (No changes were made to this procedure) were retained in the analysis. The same percentage of traffic at night utilizing this procedure was carried through the 2014 and 2019 modeling. Proposed Action routes are depicted in green and No Action routes are depicted in purple. **Exhibit 9A** displays the same information as **Exhibit 9** but highlights the Proposed Action RNAV procedures which are shown in blue.

### Satellite Study Airports - Arrivals

The major routing flow differentials between the Proposed Action (left) and No Action (right) for arrivals to the satellite Study Airports are compared in **Exhibit 10**. (No Action arrival corridors are depicted in Exhibit 3-15 in Section 3.2.1 and Proposed Action arrival corridors are depicted in Exhibit 3-24 in Section 3.2.2). The Proposed Action changes constitute a general trend away from radar vector operational ATC procedures for portions of the arrival trajectory and towards increased use of RNAV STARs. This represents a greater use of standardized procedures that increase routing predictability, flexibility and traffic segregation. The changes between Proposed Action and No Action routing for NIRS arrival tracks to the study airports are shown on **Exhibit 11**. Proposed Action routes are depicted in purple and No Action routes are depicted in orange. **Exhibit 11A** displays the same information as **Exhibit 11** but highlights the Proposed Action RNAV procedures which are shown in red.

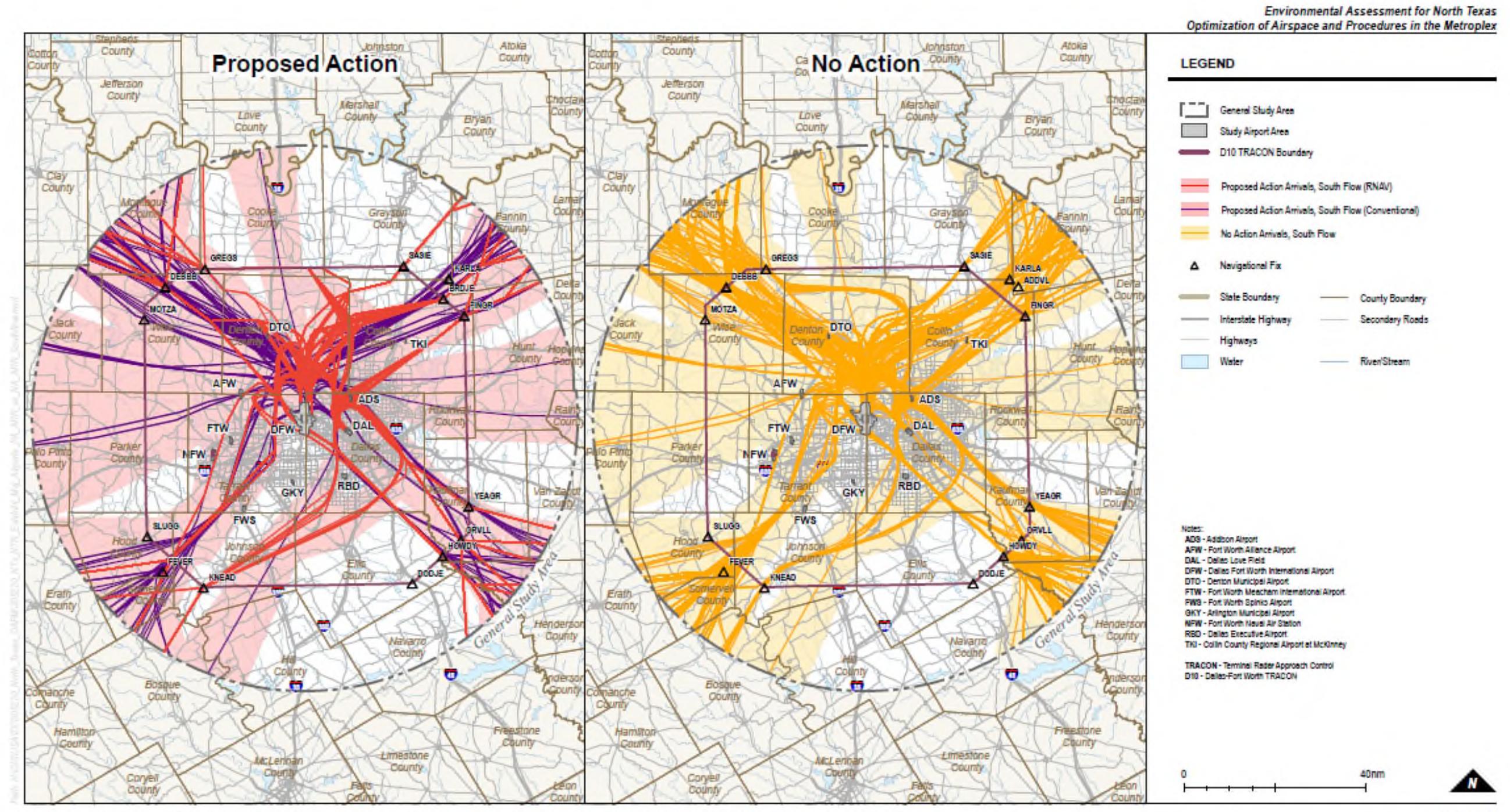
### Satellite Study Airports - Departures

The major routing flow differentials between the Proposed Action (left) and No Action (right) for departures from the satellite Study Airports are compared in **Exhibit 12**. (No Action departure corridors are depicted in Exhibit 3-16 in Section 3.2.1 and Proposed Action departure corridors are depicted in

Exhibit 3-25 in Section 3.2.2). The Proposed Action changes constitute a general trend away from radar vector operational ATC procedures for portions of the departure trajectory, towards increased use of RNAV Standard Instrument Departure SIDs. This represents a greater use of standardized procedures that increase routing predictability, flexibility and traffic segregation. The changes between Proposed Action and No Action routing for departures from the major study airports are presented in **Exhibit 13**. Proposed Action routes are depicted in green and No Action routes are depicted in purple. **Exhibit 13A** displays the same information as **Exhibit 13** but highlights the Proposed Action RNAV procedures which are shown in blue.



**Exhibit 4. Major Airports – Proposed Action Arrivals (South Flow) vs. No Action Arrivals (South Flow)**



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries; City Points, Roads, Airport Boundaries)

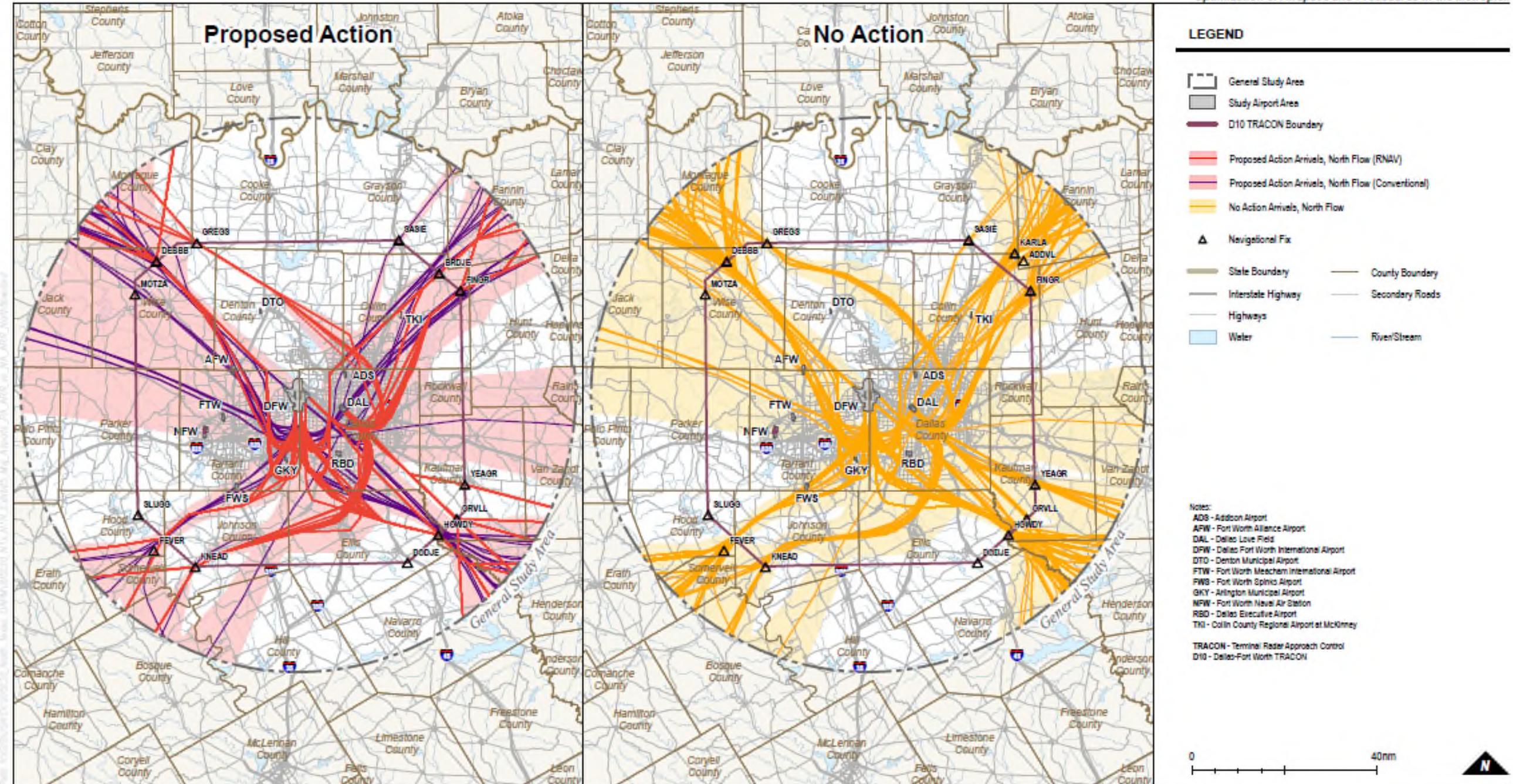
**Exhibit 4**

**Major Airports (South Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals**

**North Texas OAPM EA**

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## Exhibit 5. Major Airports – Proposed Action Arrivals (North Flow) vs. No Action Arrivals (North Flow)



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

Exhibit 5

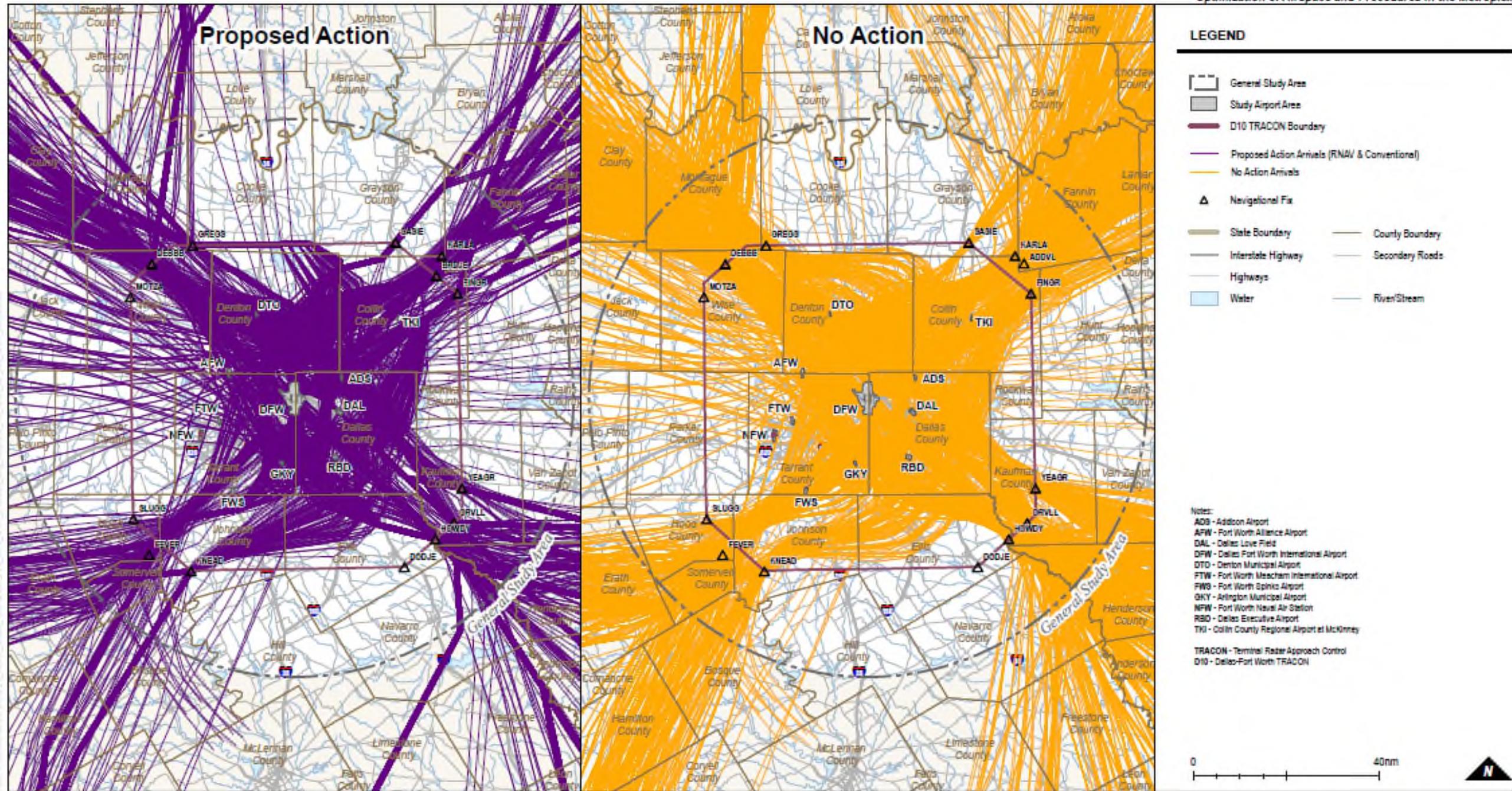
Major Airports (North Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals

North Texas OAPM EA

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**Exhibit 6. Major Airports – Proposed Action Arrivals vs. No Action Arrivals NIRS Tracks**

Environmental Assessment for North Texas  
Optimization of Airspace and Procedures in the Metroplex



Data Source: HMMH Analysis 2012 (Study Area Boundary), MITRE (TRACON Boundary), PDAIR (Traffic Flow Data), digital - Terminal Procedures Publication (Heriggin Form), National Atlas (Lakes/Rivers), Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

**Exhibit 6**

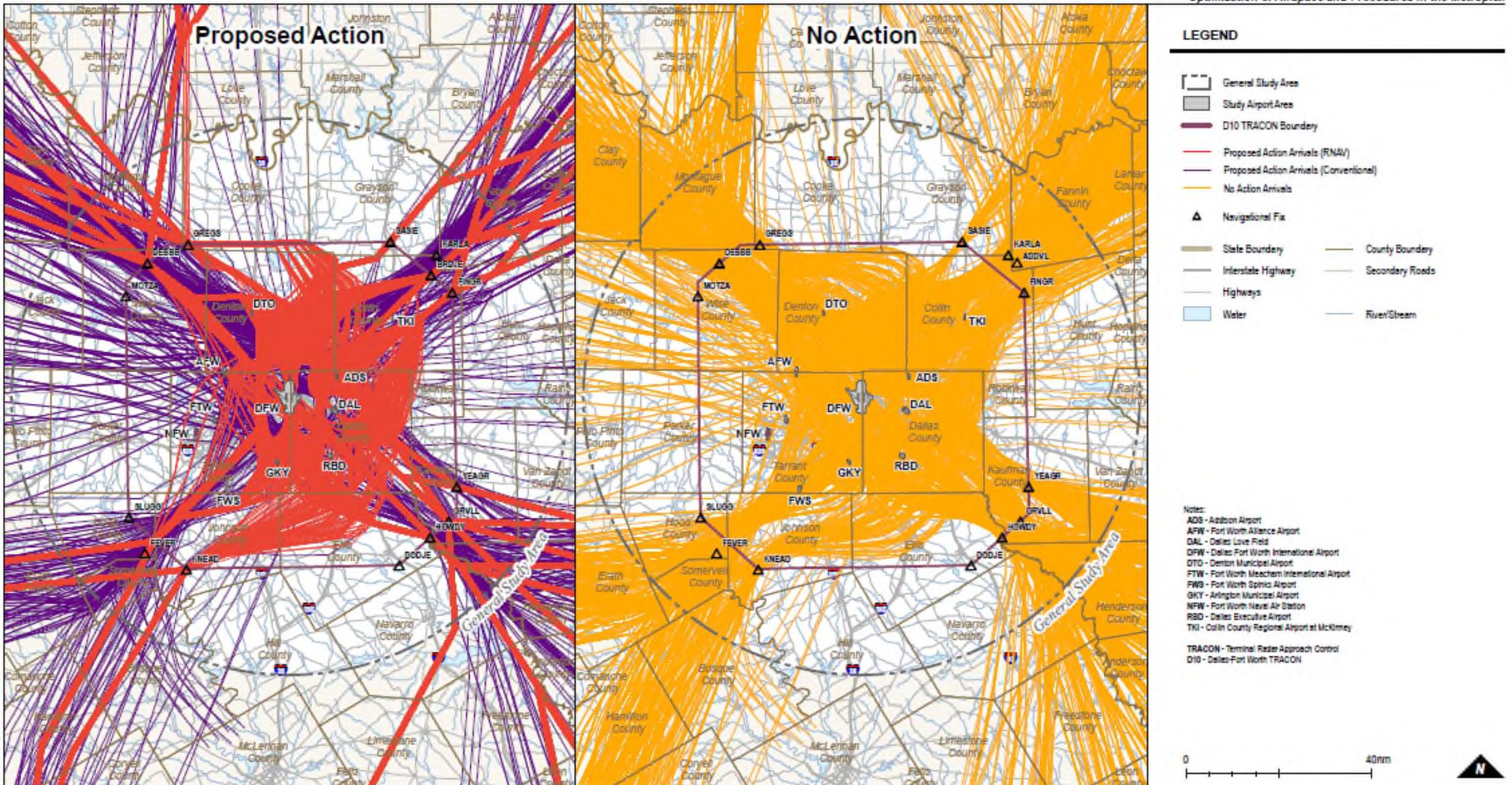
**Major Airports (North and South Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals NIRS Tracks  
Average Annual Day**

**North Texas OAPM EA**

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**Exhibit 6A. Major Airports – Proposed Action Arrivals vs. No Action Arrivals NIRS Tracks**

Environmental Assessment for North Texas  
Optimization of Airspace and Procedures in the Metroplex



Data Source: HMMH Analysis 2012 (Study Area Boundary), MITRE (TRACON Boundary), PDAIS (Traffic Flow Data), digital - Terminal Procedure Publication (Navigation Fixes), National Atlas (Lakes/Rivers), Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

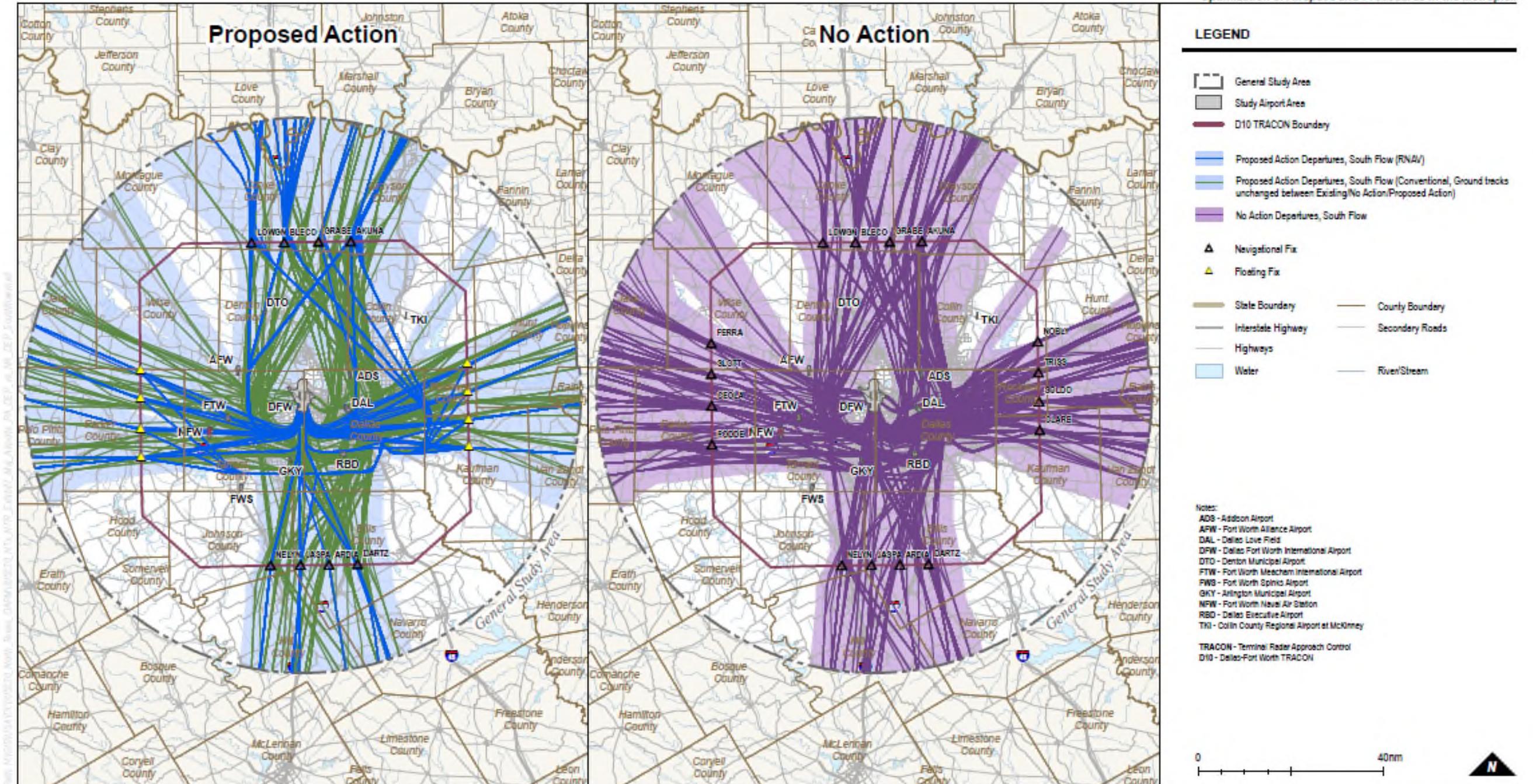
**Exhibit 6A**

**Major Airports (North and South Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals NIRS Tracks  
Average Annual Day**

**North Texas OAPM EA**

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## Exhibit 7. Major Airports (South Flow) – Proposed Action Departures vs. No Action Departures



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

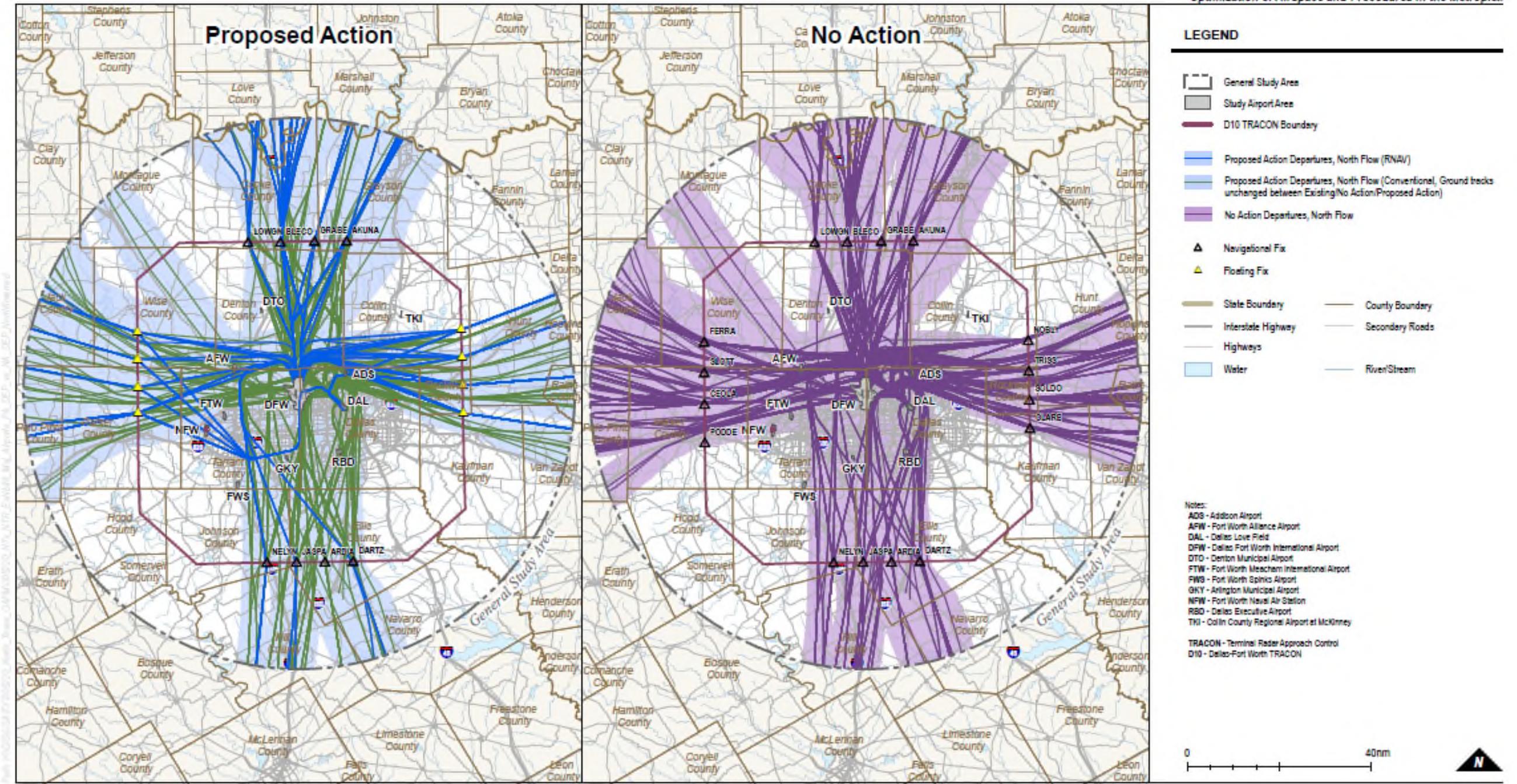
Exhibit 7

Major Airports (South Flow)  
Proposed Action Departures  
vs. No Action Departures

North Texas OAPM EA

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## Exhibit 8. Major Airports (North Flow) – Proposed Action Departures vs. No Action Departures



Data Sources: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries; City Points; Roads; Airport Boundaries).

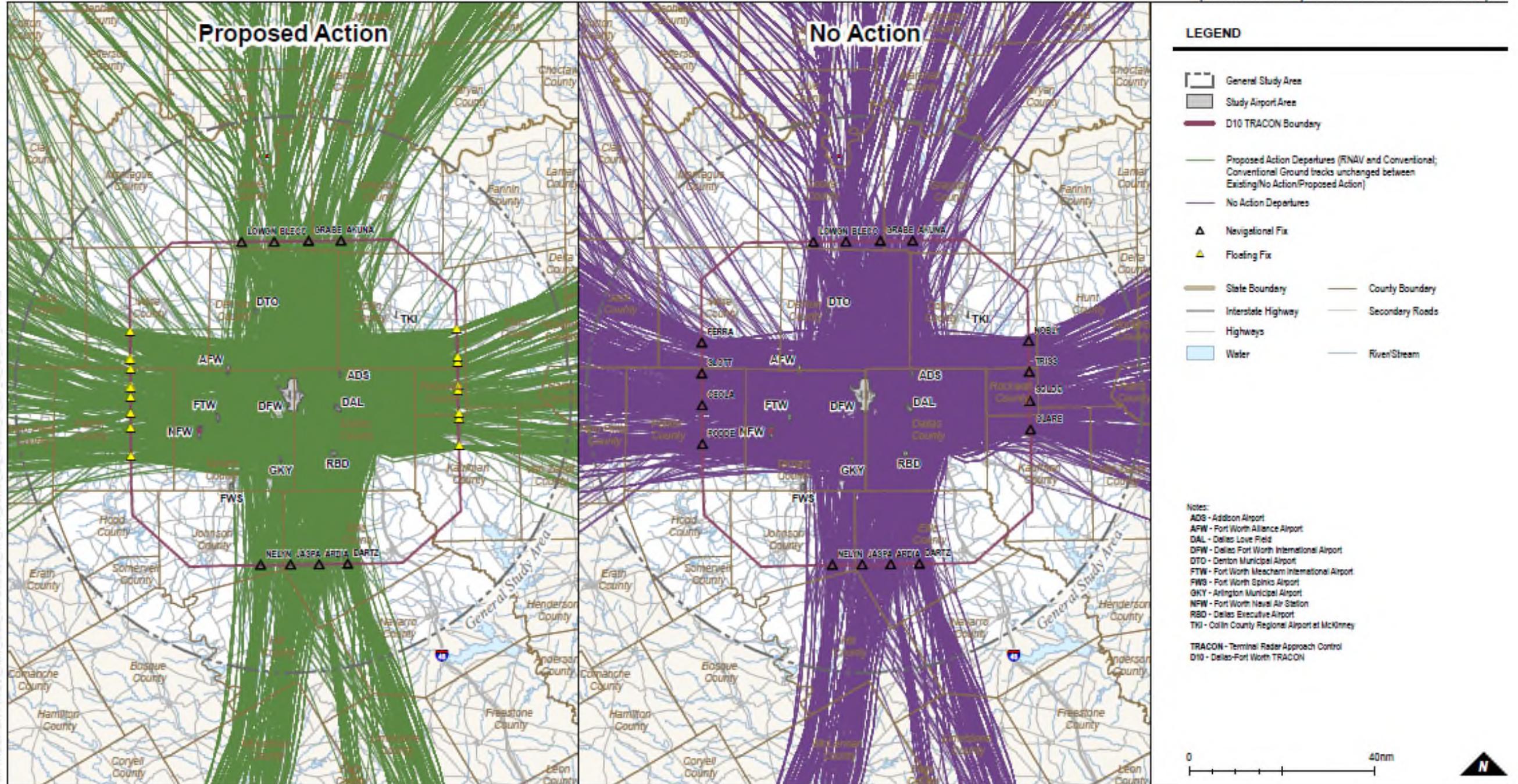
Exhibit 8

Major Airports (North Flow)  
Proposed Action Departures  
vs. No Action Departures

North Texas OAPM EA

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## Exhibit 9. Major Airports – Proposed Action vs. No Action Departures NIRS Tracks



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

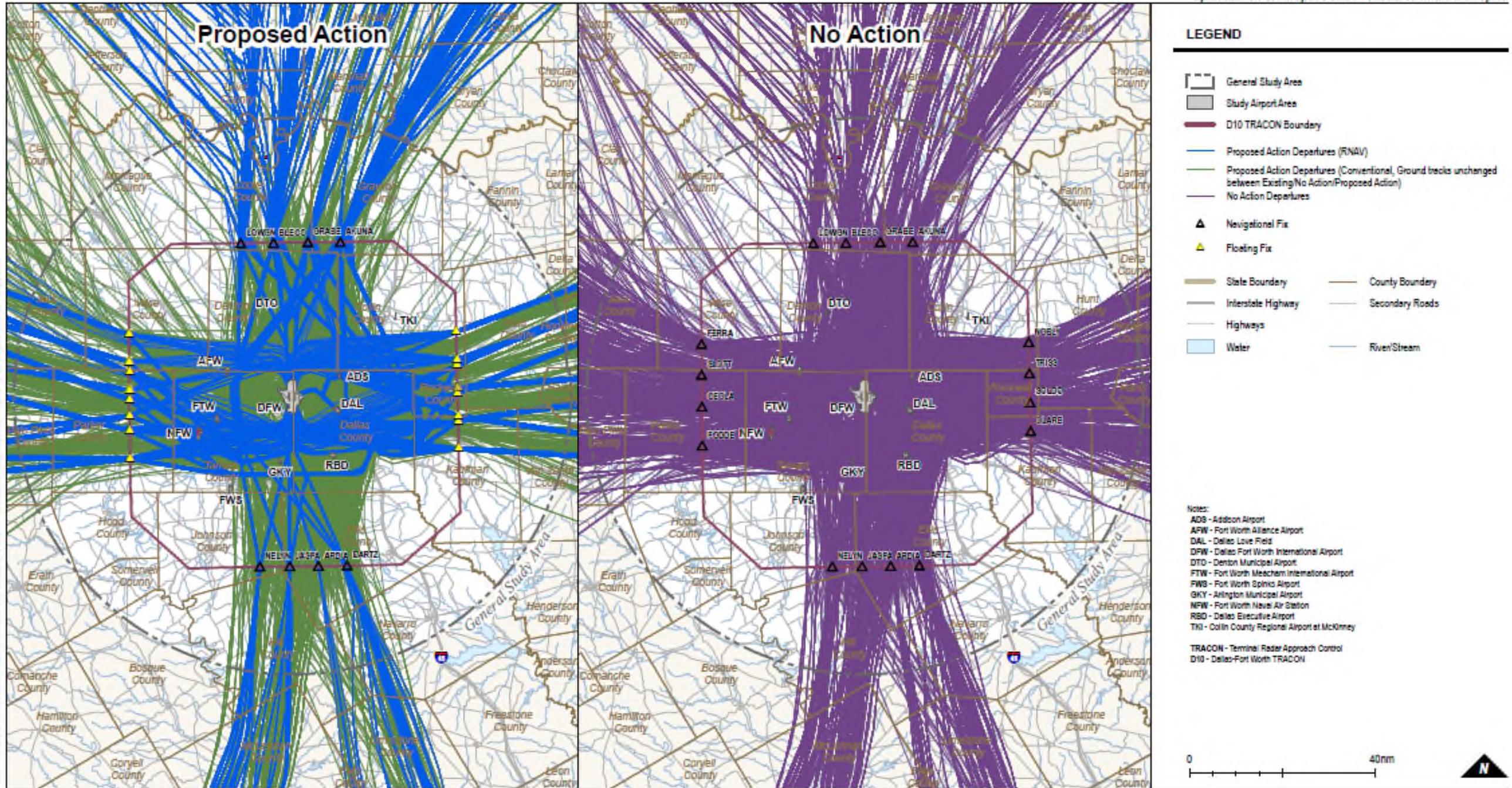
Exhibit 9

Major Airports (North and South Flow)  
Proposed Action Departures vs.  
No Action Departures NIRS Tracks  
Average Annual Day

North Texas OAPM EA

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## Exhibit 9A. Major Airports – Proposed Action vs. No Action Departures NIRS Tracks



Data Source: HWMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDAPS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

Exhibit 9A

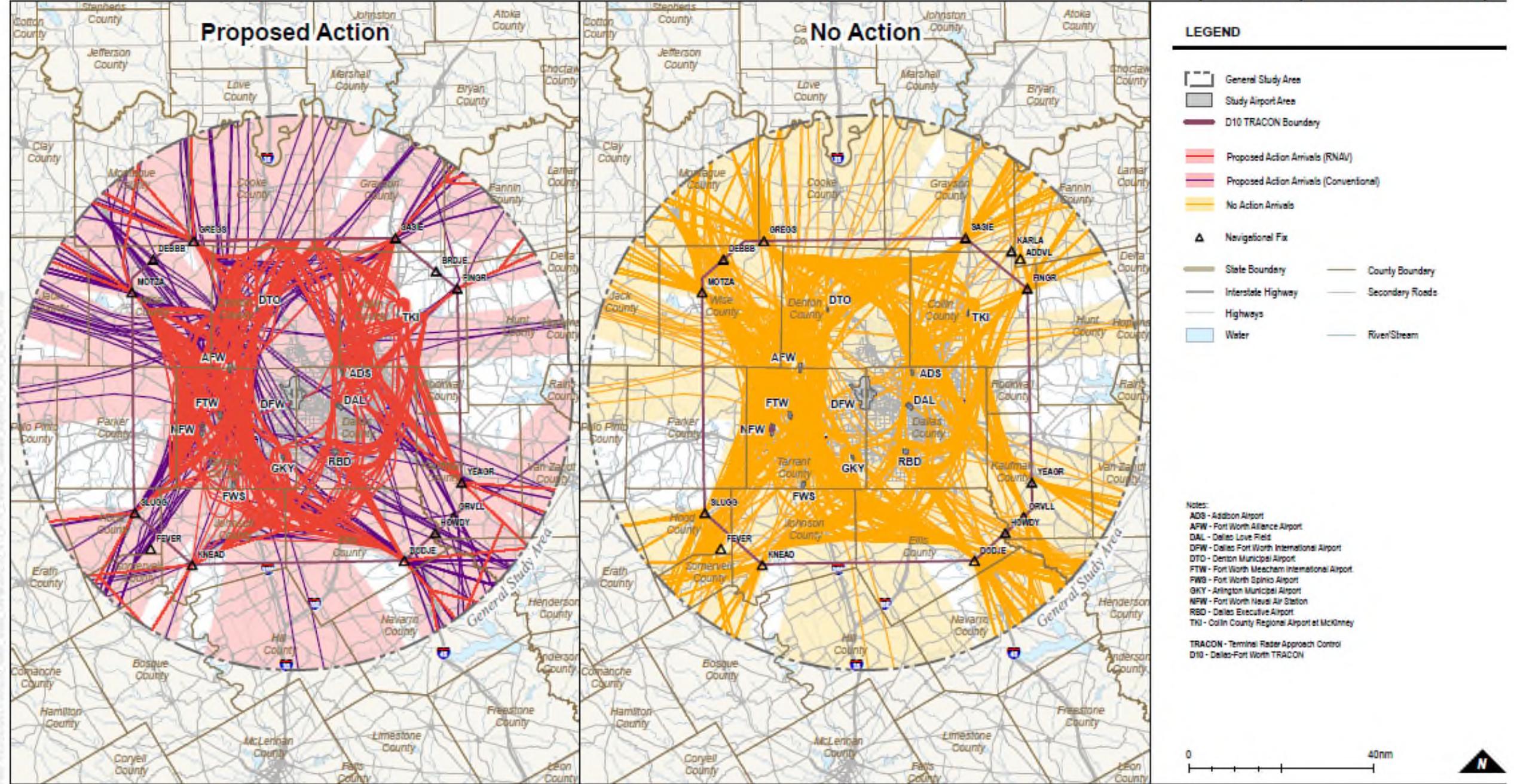
**Major Airports (North and South Flow)  
Proposed Action Departures vs.  
No Action Departures NIRS Tracks  
Average Annual Day**

North Texas OAPM EA

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**Exhibit 10. Satellite Airports – Proposed Action Arrivals vs. No Action Arrivals**

Environmental Assessment for North Texas  
Optimization of Airspace and Procedures in the Metroplex



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital-Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

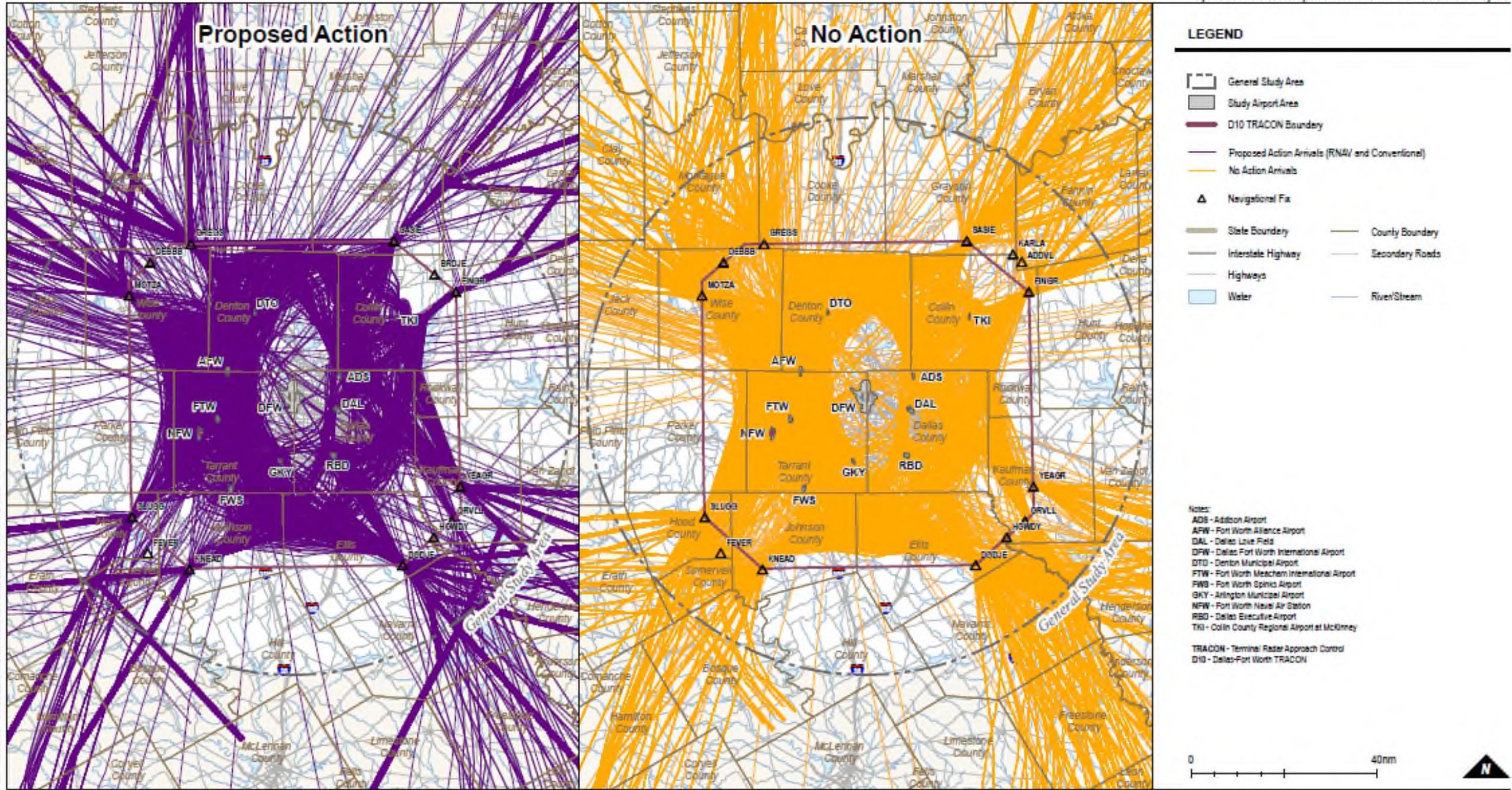
**Exhibit 10**

Satellite Airports (North and South Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals

**North Texas OAPM EA**

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## Exhibit 11. Satellite Airports – Proposed Action vs. No Action Arrivals NIRS Tracks



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDA/IS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Limits, Roads, Airport Boundaries)

Exhibit 11

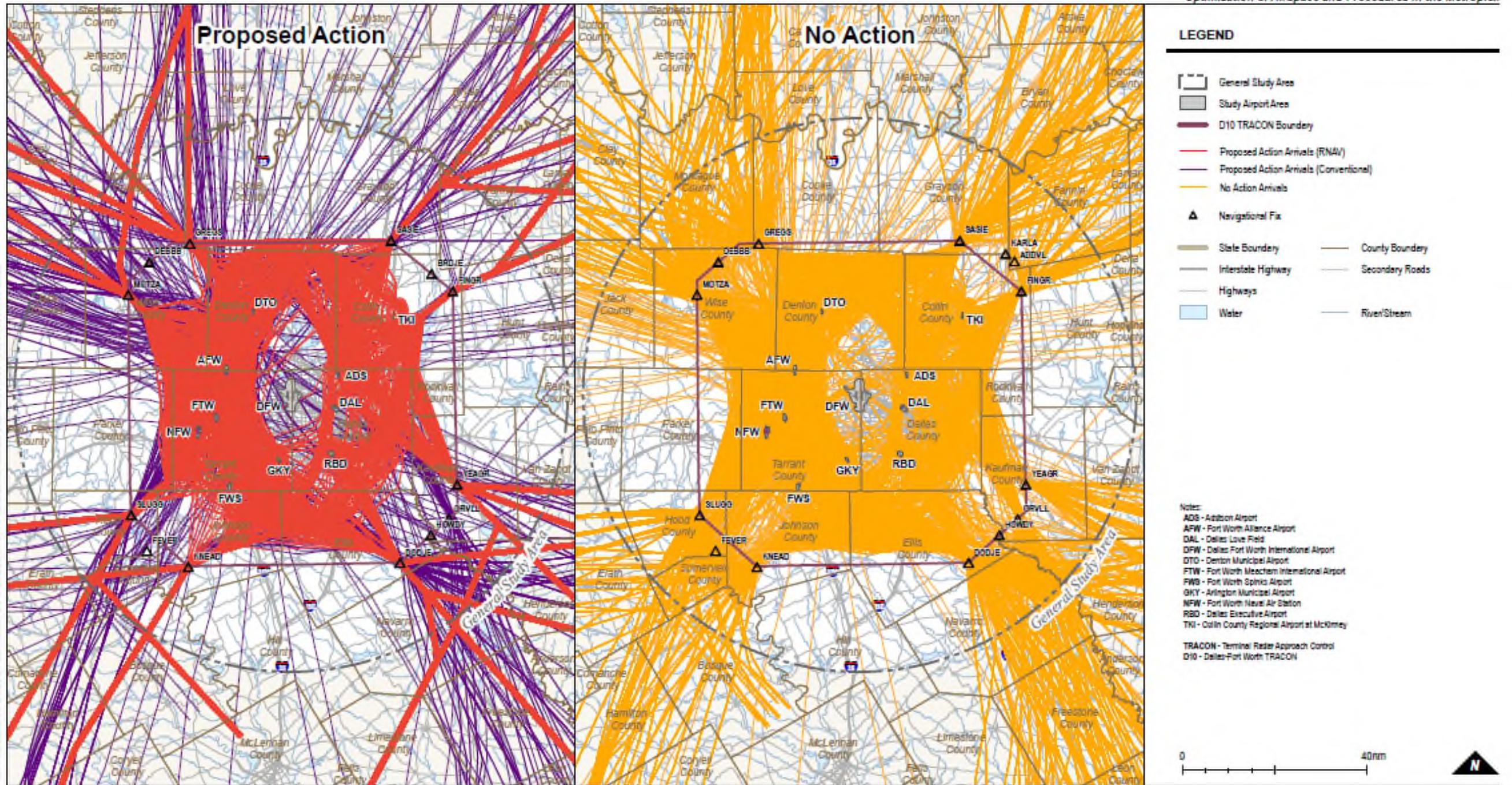
**Satellite Airports (North and South Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals NIRS Tracks  
Average Annual Day**

North Texas OAPM EA

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**Exhibit 11A. Satellite Airports – Proposed Action vs. No Action Arrivals NIRS Tracks**

Environmental Assessment for North Texas  
Optimization of Airspace and Procedures in the Metroplex



Data Source: HMMH Analytics 2012 (Study Area Boundary); MIRE (TRACON Boundary); PDARS (Traffic Flow Data), digital - Terminal Procedures Publication (Navigation Fixes), National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

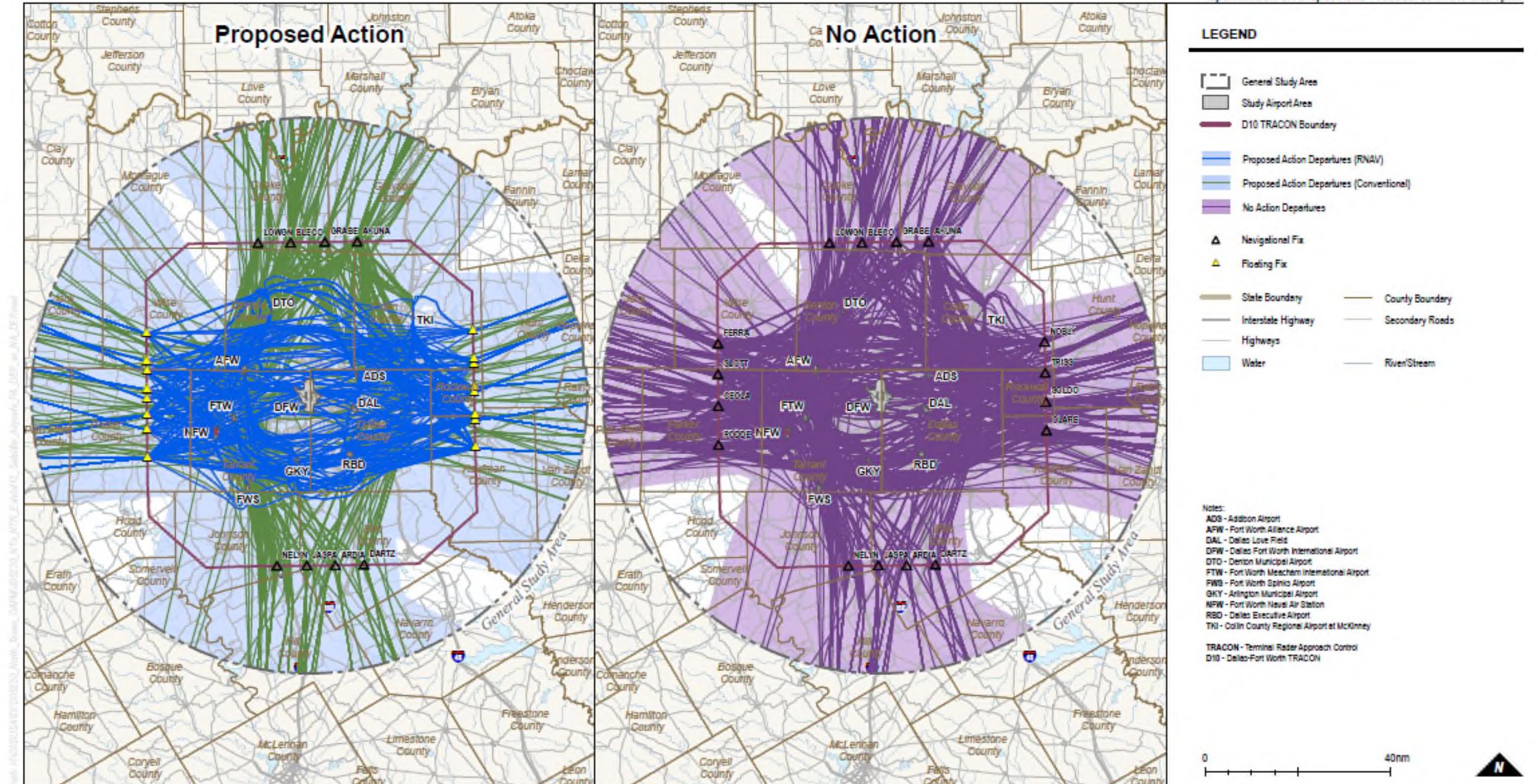
**Exhibit 11A**

**Satellite Airports (North and South Flow)  
Proposed Action Arrivals vs.  
No Action Arrivals NIRS Tracks  
Average Annual Day**

**North Texas OAPM EA**

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## Exhibit 12. Satellite Airports – Proposed Action Departures vs. No Action Departures



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital-Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

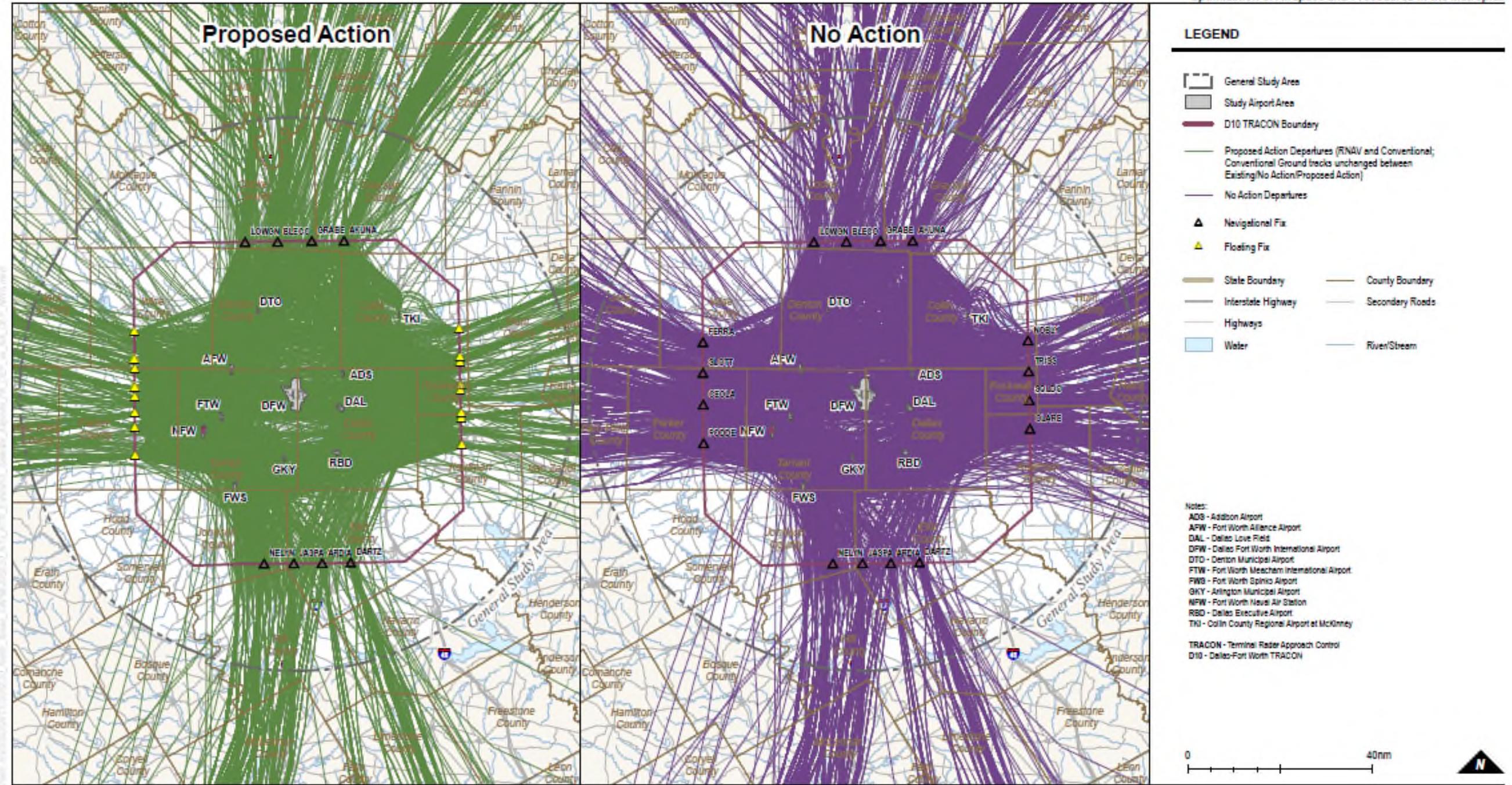
Exhibit 12

Satellite Airports (North and South Flow)  
Proposed Action Departures vs.  
No Action Departures

North Texas OAPM EA

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## Exhibit 13. Satellite Airports – Proposed Action vs. No Action Departures NIRS Tracks



Data Source: HWMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries)

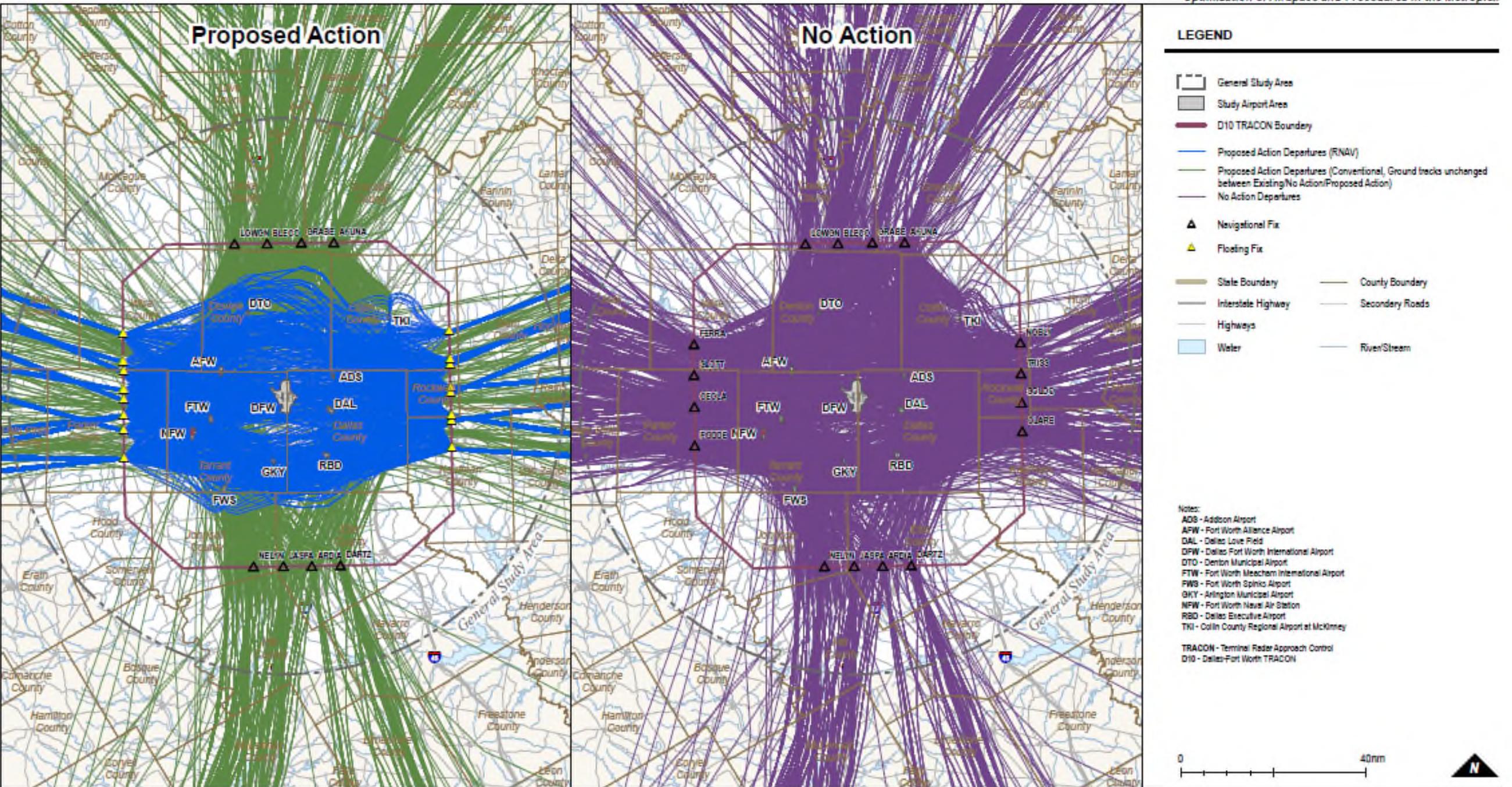
Exhibit 13

Satellite Airports (North and South Flow)  
Proposed Action Departures vs.  
No Action Departures NIRS Tracks  
Average Annual Day

North Texas OAPM EA

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## Exhibit 13A. Satellite Airports – Proposed Action vs. No Action Departures NIRS Tracks



Data Source: HMMH Analysis 2012 (Study Area Boundary); MITRE (TRACON Boundary); PDARS (Traffic Flow Data); digital - Terminal Procedures Publication (Navigation Fixes); National Atlas (Lakes/Rivers); Environmental Systems Research Institute, Inc. (State/County Boundaries, City Points, Roads, Airport Boundaries).

Exhibit 13A

Satellite Airports (North and South Flow)  
Proposed Action Departures vs.  
No Action Departures NIRS Tracks  
Average Annual Day

North Texas OAPM EA

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## 5.4 Proposed Action and No Action Impact Analysis Results

**Table 19** presents the results of the noise change analysis under the Proposed Action for 2014 conditions. The analysis indicates that the Proposed Action would not result in a DNL 1.5 dB increase in areas exposed to DNL of 65 dB and higher, nor would it result in a reportable noise increase of DNL 3.0 dB in areas exposed to DNL 60 dB to 65 dB, nor would it result in a reportable noise increase of DNL 5.0 dB in areas exposed to DNL 45 dB to 60 dB.

**Table 19. Change in Potential Population Exposed to Aircraft Noise - 2014**

Source: 2010 U.S. Census (population centroid data), HMMH August 2013

DNL Noise Exposure with Proposed Action	Increase in DNL with Proposed Action	Population Exposed to Noise that Exceeds the Threshold
DNL 65 dB and higher	DNL 1.5 dB or greater	0
DNL 60 dB to 65 dB	DNL 3.0 dB or greater	0
DNL 45 dB to 60 dB	DNL 5.0 dB or greater	0

Prepared by: HMMH Inc., August 2013

**Table 20** presents the results of the noise change analysis under the Proposed Action for 2019 conditions. The analysis indicates that the Proposed Action would not result in a DNL 1.5 dB increase in areas exposed to DNL of 65 dB and higher, nor would it result in a reportable noise increase of DNL 3.0 dB in areas exposed to DNL 60 dB to 65 dB, nor would it result in a reportable noise increase of DNL 5.0 dB in areas exposed to DNL 45 dB to 60 dB.

**Table 20. Change in Potential Population Exposed to Aircraft Noise - 2019**

Source: 2010 U.S. Census (population centroid data), HMMH August 2013

DNL Noise Exposure with Proposed Action	Increase in DNL with Proposed Action	Population Exposed to Noise that Exceeds the Threshold
DNL 65 dB and higher	DNL 1.5 dB or greater	0
DNL 60 dB to 65 dB	DNL 3.0 dB or greater	0
DNL 45 dB to 60 dB	DNL 5.0 dB or greater	0

Prepared by: HMMH Inc., August 2013

There were no reportable changes in DNL at Section 4(f) facilities under the Proposed Action compared to the No Action Alternatives for both 2014 and 2019 conditions. **Appendix 2** and **Appendix 3** provide an inventory of the Section 4(f) properties and historic and cultural resources evaluated as a part of this analysis, respectively.

## Appendices to Noise Technical Report

## Appendix 1      NIRS Aircraft Substitution Requests and Suggestions

Attach - 080212\_To\_FAAC\_North\_TX\_OAPM\_EA\_NIRS\_SubAcftRqst\_signedt.pdf

Attach – Ntxas\_OAPM\_ACSub\_Response.pdf

Attach – AEE\_Letter\_OAPM\_UD\_NPD.pdf

## **Appendix 2      Section 4(f) Resources**

### **Inventory of Section 4(f) Resources**

This appendix provides an inventory of potential Department of Transportation Act (DOT Act), Section 4(f) properties identified and evaluated as part of the Environmental Assessment (EA) for the North Texas Optimization of Airspace Procedures in the Metroplex (North Texas OAPM) project.

#### **Inventory**

The inventory of potential Section 4(f) properties is intended to include all public-owned parks; recreation areas; wildlife and waterfowl refuges of national, state, or local significance; and properties listed on the National Register of Historic Places (National Register) located within the General Study Area (GSA). Spatial data for these properties was downloaded from federal, state, and local sources, identified in **Table 2-1**.

**Appendix Table 2-1. Types of Section 4(f) Resources Considered in the General Study Area (GSA)**

Source: HMMH August 2013

Source	Accessed	URL
National Atlas	February 08, 2012	<a href="http://nationalatlas.gov/about.html">http://nationalatlas.gov/about.html</a>
US Fish & Wildlife Service	June 13, 2012	<a href="http://www.fws.gov/GIS/data/CadastralDB/index.htm">http://www.fws.gov/GIS/data/CadastralDB/index.htm</a>
United States Dept. of Agriculture	May 07, 2012	<a href="http://www.fs.usda.gov/main/texas/home">http://www.fs.usda.gov/main/texas/home</a>
National Park Service	February 07, 2012	<a href="https://irma.nps.gov/App/Portal/Topics/Geospatial">https://irma.nps.gov/App/Portal/Topics/Geospatial</a>
Texas Natural Resource Information System (TNRIS)	May 03, 2012	<a href="http://data.tnris.org/datadownload/download.jsp">http://data.tnris.org/datadownload/download.jsp</a>
National Natural Landmark Sites	May 31, 2013	<a href="http://www.nature.nps.gov/nnl/nation.cfm">http://www.nature.nps.gov/nnl/nation.cfm</a>
National Register of Historic Places	July 3, 2012	<a href="http://nrhp.focus.nps.gov/natreg/docs/Download.html#spatial">http://nrhp.focus.nps.gov/natreg/docs/Download.html#spatial</a>
Texas Historical Commission	March 7, 2012	<a href="ftp://ftp.thc.state.tx.us/">ftp://ftp.thc.state.tx.us/</a>
National Historic Landmarks	May 31, 2013	<a href="http://www.nps.gov/nhl/designations/listofnhls.htm">http://www.nps.gov/nhl/designations/listofnhls.htm</a>
Environmental Systems Research Institute, Inc.	May 03, 2012	CD: ESRI Data & Maps for ArcGIS 10
Prepared by: HMMH Inc., August 2013		

### **Noise Exposure at Potential Section 4(f) Properties**

**Table 2-2** identifies the 1,220 potential Section 4(f) properties identified within the GSA and those for which noise was modeled. The inventory includes the name, state, and geographical coordinates (latitude and longitude) of each potential resource, and presents the calculated noise exposure values under 2011 existing conditions and Proposed Action and No Action conditions for 2014 and 2019.

**Appendix Table 2-2. Department of Transportation Act, Section 4(f) Properties Inventory and Noise Exposure Results**

Source: 2010 U.S. Census (population centroid data), HMMH August 2013

Type of Resource	Site Name	Grid Point Location ID	Location			E.C.	N.A.	P.A.	dB				
			State	Area (Acres)	Latitude				Change	N.A.	P.A.	Change	
Local Park	A R Schell Park	4f_506_ARSchell	Texas	25.2	33.036120	-96.683610	43.2	42.9	43.7	0.8	43.2	44.3	1.1
Local Park	Abion Park	4f_507_AbionPar	Texas	46.1	32.835770	-96.575020	45.2	45.1	45.4	0.3	45.3	45.5	0.2
State Park	Acton State Historic Site	4F_2_1_ActonS	Texas	197.1	32.440180	-97.693110	27.2	27.4	26.3	-1.1	28.0	27.0	-1.0
Local Park	Adair Spring Park	Pri21098	Texas	227.3	32.117115	-97.399584	28.5	27.7	30.6	2.9	27.2	30.5	3.3
Local Park	Adair Spring Park	4f_508_AdairSpr	Texas	227.3	32.110680	-97.402660	28.4	27.6	30.7	3.1	27.0	30.6	3.6
Local Park	Adams Street Park	4f_509_AdamsStr	Texas	3.5	32.599970	-96.691590	37.3	37.6	37.1	-0.5	38.0	37.5	-0.5
NRHP Texas Hist. Comm.	Adamson, F. R., House	H_1_AdamsonF	Texas	N/A	32.401861	-96.854250	39.0	39.3	38.9	-0.4	40.1	39.7	-0.4
	Adamson, W.H., High School Administration Building, Decatur Baptist College	H_388_AdamsonW	Texas	N/A	32.749182	-96.822682	49.0	49.1	48.9	-0.2	49.6	49.3	-0.3
NRHP	H_2_Administ	Texas	N/A	33.222889	-97.586583	31.0	31.0	30.9	-0.1	31.4	31.3	-0.1	
Local Park	Agnew Park	4f_510_AgnewPar	Texas	1.3	32.756950	-96.593940	45.3	45.4	45.4	0.0	46.0	45.9	-0.1
Local Park Texas Hist. Comm.	Alamo Park Alcalde Street-Crockett School Historic District	4f_511_AlamoPar	Texas	5.6	32.923780	-96.656430	45.1	45.2	44.0	-1.2	45.4	44.3	-1.1
	H_446_AlcaldeS	Texas	N/A	32.792799	-96.770370	54.2	54.4	53.9	-0.5	54.5	54.0	-0.5	
NRHP	H_3_Alderdic	Texas	N/A	32.398056	-96.863917	39.5	39.7	39.4	-0.3	40.5	40.2	-0.3	
NRHP	H_4_Alderman	Texas	N/A	31.943222	-96.858000	33.2	33.3	33.4	0.1	34.2	34.4	0.2	
Local Park	Alexander Park	4f_512_Alexande	Texas	8	32.644160	-96.899260	42.2	42.4	41.8	-0.6	42.9	42.2	-0.7
NRHP Texas Hist. Comm.	Allen Chapel AME Church	H_5_AllenCha	Texas	N/A	32.759167	-97.327528	47.2	47.2	47.1	-0.1	47.4	47.1	-0.3
	Allen Water Station	H_402_AllenWat	Texas	N/A	33.118450	-96.665782	37.5	37.0	39.9	2.9	37.4	40.3	2.9
NRHP	H_6_AllenRH	Texas	N/A	32.331306	-96.631167	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7	
Local Park Texas Hist. Comm.	Alta Mesa Park American Airways Hanger and Administration Building	4f_513_AltaMesa	Texas	3.4	32.657370	-96.774890	43.6	43.8	43.8	0.0	44.0	44.0	0.0
	H_412_American	Texas	N/A	32.823699	-97.356057	52.2	52.2	52.2	0.0	52.0	52.0	0.0	
Local Park	American Legion Park	4f_514_American	Texas	42.7	31.999590	-97.085830	39.3	39.3	39.5	0.2	39.9	40.0	0.1
Local Park	Amon Carter Park	4f_515_AmonCart	Texas	113.5	32.681930	-97.307690	43.6	43.2	44.3	1.1	42.9	44.1	1.2
Local Park	Anderson Bonner Park	4f_516_Anderson	Texas	121.3	32.916350	-96.778110	46.3	46.4	45.6	-0.8	47.0	46.4	-0.6

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Type of Resource	Site Name	Location			Area (Acres)	Latitude	Longitude	2011			2014			2019		
		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
NRHP	Anderson, Neil P., Building Andrew Brown Community Park	H_7_Anderson	Texas	N/A	32.751083	-97.332583	47.5	47.5	47.1	-0.4	47.5	47.1	-0.4			
Local Park		4f_517_AndrewBr	Texas	133.2	32.980160	-96.997360	52.6	52.7	52.5	-0.2	53.0	52.8	-0.2			
NRHP	Angle, D. M., House	H_8_AngleDMH	Texas	N/A	32.589750	-96.958556	42.1	42.2	42.6	0.4	42.7	43.1	0.4			
Local Park	Apache Park	4f_518_ApachePa	Texas	7.4	32.722280	-96.653350	43.3	43.1	44.5	1.4	43.4	45.0	1.6			
Local Park	Arapahoe Park	4f_519_Arapahoe	Texas	11.4	32.958200	-96.778980	49.0	49.1	48.7	-0.4	48.4	47.9	-0.5			
Local Park	Arcadia Heights Park	4f_520_ArcadiaH	Texas	5.1	32.744450	-96.902760	49.9	50.1	50.1	0.0	50.4	50.3	-0.1			
Local Park	Arcadia Park	4f_521_ArcadiaP	Texas	15.2	32.743860	-96.915130	50.1	50.3	50.2	-0.1	50.5	50.5	0.0			
Local Park	Arden Terrace Park	4f_522_ArdenTer	Texas	149.8	32.683280	-96.774380	44.8	44.9	44.6	-0.3	45.4	45.2	-0.2			
NRHP	Arlington Post Office	H_9_Arlingto	Texas	N/A	32.736389	-97.108556	50.2	50.4	50.1	-0.3	50.7	50.5	-0.2			
Local Park	Arlington Sports Center	Pri27780	Texas	128.9	32.666956	-97.129529	43.5	43.6	43.7	0.1	43.8	44.0	0.2			
Local Park	Arlington Sports Center	4f_523_Arlingto	Texas	128.9	32.666110	-97.128120	43.4	43.6	43.7	0.1	43.8	44.1	0.3			
Local Park	Armstrong Park	4f_524_Armstron	Texas	16.3	32.647450	-96.905910	42.5	42.7	42.0	-0.7	43.2	42.5	-0.7			
Local Park	Arnold Park	4f_525_ArnoldPa	Texas	1.1	32.767140	-97.329370	47.2	47.2	47.2	0.0	47.4	47.4	0.0			
Local Park	Ash Creek Park	4f_526_AshCreek	Texas	44.8	32.886210	-97.536010	45.4	45.5	45.2	-0.3	45.7	45.4	-0.3			
NRHP	Aston Building	H_10_AstonBui	Texas	N/A	33.162917	-96.359667	32.9	32.8	34.9	2.1	33.2	35.3	2.1			
NRHP	Atwood, E. K., House Austin, Stephen F.,	H_11_AtwoodEK	Texas	N/A	32.329917	-96.633944	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6			
NRHP	Elementary School	H_12_AustinSt	Texas	N/A	32.741389	-97.332778	47.5	47.5	47.3	-0.2	47.4	47.1	-0.3			
Local Park	Avalon Park	4f_527_AvalonPa	Texas	168.6	33.032630	-96.485960	42.2	42.1	42.3	0.2	42.4	42.6	0.2			
NRHP	Baker Hotel	H_13_BakerHot	Texas	N/A	32.809778	-98.100417	38.7	38.8	39.6	0.8	39.0	39.9	0.9			
Texas Hist. Comm.	Baker, J. T., Farmstead	H_502_BakerJTF	Texas	N/A	32.157883	-97.388840	28.8	28.0	30.3	2.3	27.5	30.1	2.6			
Texas Hist. Comm.	Baker--Carmichael House	H_426_BakerCar	Texas	N/A	32.444388	-97.785963	28.8	29.0	26.6	-2.4	29.2	26.8	-2.4			
Local Park	Barbrook Park	4f_528_Barbrook	Texas	21.8	32.804410	-97.249800	48.4	48.6	48.6	0.0	48.9	48.8	-0.1			
NRHP	Barkley--Floyd House	H_14_BarkleyF	Texas	N/A	32.332583	-96.631778	30.1	30.2	28.4	-1.8	30.3	28.6	-1.7			
NRHP	Barnard's Mill	H_15_Barnards	Texas	N/A	32.231806	-97.756667	27.7	27.7	26.3	-1.4	28.0	26.7	-1.3			
NRHP	Barrington House	H_16_Barringt	Texas	N/A	32.329667	-96.630361	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6			
Local Park	Bartlett Park	4f_529_Bartlett	Texas	24	32.541770	-97.342130	36.6	36.3	34.7	-1.6	36.2	34.4	-1.8			

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Type of Resource	Site Name	Location			Latitude	Longitude	2011			2014			2019		
		Grid Point Location ID	State	Area (Acres)			E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change		
Local Park	Base Park	4f_530_BasePark	Texas	12.3	32.867510	-96.628020	46.9	46.9	45.5	-1.4	47.2	45.7	-1.5		
Local Park	Beardon Park	4f_531_BeardonP	Texas	9.4	32.657570	-96.548020	34.9	34.8	39.7	4.9	35.0	40.5	5.5		
Local Park	Beckley Heights Park	4f_532_BeckleyH	Texas	6.6	32.665500	-96.831690	44.5	44.7	43.8	-0.9	45.3	44.1	-1.2		
Local Park	Beckley Saner Park	4f_533_BeckleyS	Texas	17.7	32.714140	-96.824730	46.4	46.6	46.3	-0.3	46.9	46.5	-0.4		
NRHP	Bedford School	H_17_BedfordS	Texas	N/A	32.846333	-97.150889	44.7	44.6	44.6	0.0	44.7	44.7	0.0		
Local Park	Bel-Aire Park	4f_534_Bel-Aire	Texas	3.1	32.858190	-96.701330	47.7	47.8	46.0	-1.8	48.3	46.5	-1.8		
Local Park	Bellaire Park	4f_535_Bellaire	Texas	14	32.817980	-97.161840	46.7	46.8	46.9	0.1	47.1	47.2	0.1		
NRHP	Belo, Alfred Horatio, House	H_18_BeloAlfr	Texas	N/A	32.788139	-96.798056	55.3	55.7	55.8	0.1	56.9	57.0	0.1		
NRHP	Benton, M. A., House	H_19_BentonMA	Texas	N/A	32.725528	-97.340417	47.4	47.4	47.8	0.4	46.6	47.1	0.5		
NRHP	Berry, J. S., House	H_20_BerryJSH	Texas	N/A	32.399528	-96.854083	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3		
Local Park	Bert Fields Park	4f_536_BertFiel	Texas	33.8	32.941480	-96.797340	51.3	51.2	51.1	-0.1	49.9	49.7	-0.2		
Local Park	Betts Park	4f_537_BettsPar	Texas	12.2	33.154170	-96.107960	42.5	42.5	39.9	-2.6	42.9	40.3	-2.6		
Local Park	Betty Jane Park	4f_538_BettyJan	Texas	3.6	32.883040	-96.854950	46.6	46.6	46.5	-0.1	47.2	47.2	0.0		
Local Park	Beverly Hills Park	4f_539_BeverlyH	Texas	2.5	32.745150	-96.876650	49.4	49.5	49.4	-0.1	49.8	49.7	-0.1		
NRHP	Beverly--Harris House	H_21_BeverlyH	Texas	N/A	33.193583	-96.622361	35.5	35.5	35.4	-0.1	35.8	35.8	0.0		
NRHP	Bianchi, Didaco and Ida, House	H_22_BianchiD	Texas	N/A	32.793222	-96.768889	54.0	54.2	53.6	-0.6	54.2	53.6	-0.6		
Local Park	Bi-Centennial Park	4f_540_Bi-Cente	Texas	12.7	32.581180	-97.343340	37.7	37.5	37.2	-0.3	37.5	37.2	-0.3		
Local Park	Big Mineral Park	Pri35267	Texas	743	33.792878	-96.815678	38.1	38.2	38.2	0.0	38.6	38.6	0.0		
Local Park	Big Mineral Park	Pri35268	Texas	743	33.801122	-96.815519	38.1	38.2	38.2	0.0	38.7	38.7	0.0		
Local Park	Big Mineral Park	Pri35510	Texas	743	33.776259	-96.806123	37.7	37.8	37.7	-0.1	38.2	38.1	-0.1		
Local Park	Big Mineral Park	Pri35511	Texas	743	33.784503	-96.805964	37.8	37.8	37.8	0.0	38.3	38.2	-0.1		
Local Park	Big Mineral Park	4f_541_BigMiner	Texas	743	33.791380	-96.813640	38.1	38.1	38.1	0.0	38.6	38.5	-0.1		
Local Park	Big Mustang Creek Park	4f_542_BigMusta	Texas	77	32.304440	-96.682520	26.8	26.8	28.0	1.2	27.1	28.4	1.3		
Local Park	Big Sandy Park	4f_543_BigSandy	Texas	271.8	33.156740	-97.015240	44.3	44.5	44.1	-0.4	44.8	44.3	-0.5		
NRHP	Bingham, John H., House	H_23_BinghamJ	Texas	N/A	33.190194	-96.614083	35.2	35.2	35.9	0.7	35.5	36.0	0.5		
NRHP	Birge, Capt. Noble Allan, House	H_24_BirgeCap	Texas	N/A	33.645250	-96.618194	37.1	37.3	37.2	-0.1	37.7	37.6	-0.1		
Local Park	Bisby Park	4f_544_BisbyPar	Texas	5.9	32.957070	-96.674820	44.4	44.4	44.3	-0.1	44.5	44.4	-0.1		

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Type of Resource	Site Name	Location				Latitude	Longitude	2011		2014		2019	
		Grid Point Location ID	State	Area (Acres)				E.C.	N.A.	P.A.	Change	N.A.	P.A.
Local Park	Bishop Park	4f_545_BishopPa	Texas	6.1	33.076630	-97.296080	45.2	44.7	45.3	0.6	44.7	45.3	0.6
NRHP	Blackstone Hotel	H_25_Blacksto	Texas	N/A	32.753806	-97.330194	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4
Texas Hist. Comm.	Blanton School	H_418_BlantonS	Texas	N/A	33.370198	-96.063731	26.8	26.9	29.0	2.1	27.3	30.4	3.1
Local Park	Blue Ridge Park	4f_546_BlueRidg	Texas	158.4	33.181420	-96.424810	33.4	33.5	34.8	1.3	34.4	36.4	2.0
Local Park	Bluebonnet City Park	Pri39741	Texas	87	32.297987	-96.659407	26.2	26.2	27.5	1.3	26.5	27.7	1.2
Local Park	Bluebonnet City Park	4f_547_Bluebonn	Texas	87	32.300630	-96.658450	26.5	26.4	27.7	1.3	26.7	27.9	1.2
NRHP	Bluff Dale Suspension Bridge	H_26_BluffDal	Texas	N/A	32.354306	-98.025972	22.9	23.1	26.1	3.0	23.5	26.5	3.0
NRHP	Bluff Dale Suspension Bridge	H_27_BluffDal	Texas	N/A	32.353417	-98.026000	22.9	23.2	26.2	3.0	23.6	26.5	2.9
Local Park	Bluff View Park	4f_548_BluffVie	Texas	6.4	32.855810	-96.829820	49.1	49.3	49.2	-0.1	50.2	50.1	-0.1
Texas Hist. Comm.	Bluitt Sanitarium	H_420_BluittSa	Texas	N/A	32.782790	-96.792708	54.6	55.0	55.1	0.1	56.0	56.1	0.1
NRHP	Board-Everett House	H_28_BoardEve	Texas	N/A	33.202278	-96.623639	36.0	36.0	35.5	-0.5	36.4	35.8	-0.6
Local Park	Boaz Park	4f_549_BoazPark	Texas	141.1	32.693040	-97.452270	48.5	48.6	49.1	0.5	48.8	49.4	0.6
Local Park	Bob Cook Park	4f_550_BobCookP	Texas	18.9	32.714630	-97.076000	49.8	50.1	49.9	-0.2	50.4	50.3	-0.1
Texas Hist. Comm.	Bomar, E.P. and Alice, House	H_29_BomarEPA	Texas	N/A	33.621174	-97.142780	39.4	39.3	39.3	0.0	39.3	39.4	0.1
Texas Hist. Comm.	Bomar, E.P. and Alice, House	H_431_BomarEPA	Texas	N/A	33.623023	-97.143070	39.3	39.2	39.3	0.1	39.2	39.3	0.1
State Park	Bonham State Park	4F_8_2_Bonham	Texas	303.2	33.545210	-96.145110	29.6	29.7	28.9	-0.8	30.2	29.3	-0.9
NRHP	Boren, E. T., House	H_30_BorenETH	Texas	N/A	32.329056	-96.635889	30.2	30.3	28.8	-1.5	30.4	28.9	-1.5
NRHP	Botts--Fowler House	H_31_BottsFow	Texas	N/A	32.565417	-97.146028	39.9	40.0	40.6	0.6	39.8	40.6	0.8
Local Park	Boulder Park	Pri34396	Texas	184.4	32.672018	-96.866181	55.1	55.1	55.4	0.3	50.0	49.7	-0.3
Local Park	Boulder Park	4f_551_BoulderP	Texas	184.4	32.670560	-96.869630	46.8	46.9	46.5	-0.4	46.4	45.7	-0.7
Local Park	Bowles Park	4f_552_BowlesPa	Texas	3.6	32.755850	-96.963650	52.8	52.9	52.8	-0.1	53.1	53.1	0.0
Local Park	Bowman Springs Park	4f_553_BowmanSp	Texas	11.6	32.688570	-97.216770	44.6	44.9	44.6	-0.3	45.1	44.7	-0.4
Local Park	Bradford Park	4f_554_Bradford	Texas	58.3	32.920790	-96.616430	45.8	45.8	44.6	-1.2	46.1	45.1	-1.0
Texas Hist. Comm.	Braniff Building	HH_1_BraniffBu	Texas	N/A	32.848426	-96.841169	69.0	69.3	69.5	0.2	69.5	69.6	0.1
Local Park	Bratonia Park	4f_555_Bratonia	Texas	142.1	33.109070	-96.520080	37.8	37.4	39.8	2.4	37.9	40.5	2.6
NRHP	Bratton, Andrew "Cap" and	H_32_BrattonA	Texas	N/A	32.562800	-97.138500	40.4	40.4	40.8	0.4	40.4	40.9	0.5

**Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

Type of Resource	Site Name	Grid Point Location ID	Location		Area (Acres)	Latitude	Longitude	2011			2014			2019		
			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
Emma Doughty, House																
NRHP	Braun, George, House	H_33_BraunGeo	Texas	N/A	33.759417	-96.537111	36.7	36.8	36.8	0.0	37.3	37.2	-0.1			
Local Park	Breezy Hill Park	4f_556_BreezyHi	Texas	7	32.728980	-96.286700	41.5	41.7	41.0	-0.7	42.1	41.5	-0.6			
Local Park	Britton Park	4f_557_BrittonP	Texas	131.9	32.553570	-97.055310	43.8	43.8	44.0	0.2	44.0	44.2	0.2			
Local Park	Brockdale Park	4f_558_Brockdal	Texas	109.4	33.076320	-96.548400	40.9	40.5	41.3	0.8	40.7	41.7	1.0			
Texas Hist. Comm.	Bromberg, Alfred and Juanita, House	H_408_Bromberg	Texas	N/A	32.826250	-96.741349	48.4	48.5	47.5	-1.0	48.8	47.8	-1.0			
NRHP	Brooks, William and Blanche, House	H_34_BrooksWi	Texas	N/A	32.743056	-96.473500	42.8	42.8	44.0	1.2	43.1	44.3	1.2			
Local Park	Brook Hollow Park	4f_933_Park	Texas	N/A	32.823700	-97.151390	45.9	45.9	46.0	0.1	46.1	46.3	0.2			
NRHP	Brown, J. T., Hotel	H_35_BrownJTH	Texas	N/A	33.293972	-97.795917	30.2	30.3	29.7	-0.6	30.7	30.2	-0.5			
NRHP	Brown, John R., House	H_36_BrownJoh	Texas	N/A	33.201806	-96.617639	36.1	36.2	35.9	-0.3	36.5	36.0	-0.5			
Local Park	Brownwood Park	4f_559_Brownwoo	Texas	8.2	32.880100	-96.863220	49.0	49.3	49.1	-0.2	50.0	49.9	-0.1			
Local Park	Bruton Park	4f_560_BrutonPa	Texas	34.5	32.751210	-96.606660	44.9	44.9	45.5	0.6	45.4	46.1	0.7			
Texas Hist. Comm.	Bryan Street Apartments	H_409_4928Brya	Texas	N/A	32.804406	-96.772366	52.1	52.4	51.6	-0.8	52.9	52.1	-0.8			
Texas Hist. Comm.	Bryan-Peak Commercial Historic District	H_447_BryanPea	Texas	N/A	32.799175	-96.779188	54.5	54.7	54.3	-0.4	55.3	54.8	-0.5			
NRHP	Bryant, William, Jr., House	H_37_BryantWi	Texas	N/A	32.586028	-96.957250	41.9	42.1	42.4	0.3	42.5	42.8	0.3			
NRHP	Bryce Building	H_38_BryceBui	Texas	N/A	32.751194	-97.330444	47.3	47.3	47.0	-0.3	47.5	47.1	-0.4			
NRHP	Bryce, William J., House	H_39_BryceWil	Texas	N/A	32.739917	-97.393306	46.5	46.5	46.1	-0.4	46.4	45.9	-0.5			
NRHP	Buchanan-Hayter-Witherspoon House	H_40_Buchanan	Texas	N/A	32.562800	-97.138700	40.4	40.4	40.8	0.4	40.4	40.9	0.5			
Local Park	Buck Creek Park	4f_561_BuckCree	Texas	116.2	33.445270	-96.932240	39.4	39.4	39.8	0.4	39.9	40.5	0.6			
Texas Hist. Comm.	Buck Oaks Farm	H_41_BuckOaks	Texas	N/A	32.762583	-97.423528	46.7	46.8	46.6	-0.2	46.9	46.7	-0.2			
Local Park	Buck Sansom Park	4f_562_BuckSans	Texas	190.6	32.809370	-97.375280	47.0	47.2	47.4	0.2	47.3	47.6	0.3			
Local Park	Buckhorn Park	4f_563_Buckhorn	Texas	8.4	33.046000	-96.760250	45.1	44.9	45.0	0.1	45.3	45.3	0.0			
Local Park	Buckingham Park	4f_564_Buckingh	Texas	7	32.932520	-96.724970	45.0	45.0	43.6	-1.4	45.4	43.8	-1.6			
Local Park	Buckner Park	4f_565_BucknerP	Texas	12.2	32.795180	-96.769930	53.7	53.9	53.3	-0.6	54.1	53.5	-0.6			
Local Park	Buddy Stewart Park	4f_566_BuddySte	Texas	121.9	32.330030	-97.447670	30.2	30.2	31.6	1.4	30.4	31.8	1.4			
Texas Hist.	Building at 3525 Turtle Creek	H_411_Building	Texas	N/A	32.810760	-96.802760	57.9	58.2	58.3	0.1	59.0	59.1	0.1			

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			State					E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change
Comm.	Boulevard													
NRHP	Building at 441 East Main	H_42_Building	Texas	N/A	32.383806	-96.841917	38.2	38.3	38.3	0.0	39.0	39.0	0.0	
NRHP	Building at 500--502 East Main	H_43_Building	Texas	N/A	32.384000	-96.842556	38.2	38.3	38.4	0.1	39.0	39.1	0.1	
NRHP	Bullard, T. J., House	H_44_BullardT	Texas	N/A	32.395389	-96.855472	39.0	39.2	39.0	-0.2	40.0	39.8	-0.2	
Local Park	Bunche Park	4f_567_BunchePa	Texas	37.9	32.719140	-97.235010	46.3	46.5	46.6	0.1	46.7	46.8	0.1	
Local Park	Bunert Park	4f_568_BunertPa	Texas	9.7	32.101540	-96.445710	25.3	25.3	25.2	-0.1	25.6	25.5	-0.1	
Local Park	Burleson Park	4f_569_Burleson	Texas	14	32.846490	-96.780470	47.0	47.0	46.5	-0.5	47.4	46.9	-0.5	
NRHP	Burnett, Burk, Building	H_45_BurnettB	Texas	N/A	32.754222	-97.331250	47.3	47.4	47.1	-0.3	47.4	47.1	-0.3	
NRHP	Burrus--Finch House	H_46_BurrusFi	Texas	N/A	33.200889	-96.626889	36.0	36.1	35.5	-0.6	36.4	35.9	-0.5	
NRHP	Busch Building	H_48_BuschBui	Texas	N/A	32.780583	-96.799306	53.4	53.8	53.6	-0.2	54.7	54.3	-0.4	
NRHP	Busch-Kirby Building (Boundary Increase)	H_47_BuschKir	Texas	N/A	32.780583	-96.799306	53.4	53.8	53.6	-0.2	54.7	54.3	-0.4	
Local Park	Bushman Park	4f_570_BushmanP	Texas	6.5	32.708450	-96.772320	46.7	46.7	46.1	-0.6	47.3	46.6	-0.7	
National Grassland	Caddo National Grassland	4F_4_3_CaddoN	Texas	18731.7	33.700420	-95.984770	24.7	24.7	25.4	0.7	25.1	25.8	0.7	
National Grassland	Caddo National Grassland	Sec24987	Texas	18731.7	33.782468	-96.164132	25.1	25.1	24.3	-0.8	25.6	25.0	-0.6	
National Grassland	Caddo National Grassland	Sec25170	Texas	18731.7	33.765615	-96.144833	24.3	24.3	23.8	-0.5	24.7	25.0	0.3	
National Grassland	Caddo National Grassland	Sec26087	Texas	18731.7	33.714275	-96.047530	26.2	26.2	25.1	-1.1	26.6	25.5	-1.1	
National Grassland	Caddo National Grassland	Sec26273	Texas	18731.7	33.746857	-96.026876	25.8	25.8	24.7	-1.1	26.2	25.1	-1.1	
National Grassland	Caddo National Grassland	Sec26438	Texas	18731.7	33.433252	-96.016010	25.1	25.1	28.4	3.3	25.4	30.3	4.9	
National Grassland	Caddo National Grassland	Sec26456	Texas	18731.7	33.729984	-96.007612	25.4	25.5	25.6	0.1	25.8	26.0	0.2	
National Grassland	Caddo National Grassland	Sec26457	Texas	18731.7	33.746468	-96.007143	25.6	25.6	25.2	-0.4	26.0	25.6	-0.4	
National Grassland	Caddo National Grassland	Sec26640	Texas	18731.7	33.729591	-95.987883	24.8	24.9	25.8	0.9	25.2	26.2	1.0	
National Grassland	Caddo National Grassland	Sec26641	Texas	18731.7	33.746075	-95.987411	25.1	25.1	25.6	0.5	25.5	26.0	0.5	
National Grassland	Caddo National Grassland	Sec26824	Texas	18731.7	33.729195	-95.968154	24.4	24.4	25.6	1.2	24.8	25.9	1.1	

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			State	Area (Acres)	Latitude	Longitude	E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change	N.A.	P.A.	Change		
National Grassland	Caddo National Grassland	Sec26825	Texas	18731.7	33.745679	-95.967679	24.5	24.5	25.7	1.2	25.0	26.1	1.1					
National Grassland	Caddo National Grassland	Sec26826	Texas	18731.7	33.762163	-95.967203	24.8	24.8	25.6	0.8	25.2	26.0	0.8					
National Grassland	Caddo National Grassland	Sec27008	Texas	18731.7	33.728796	-95.948426	24.2	24.2	25.0	0.8	24.6	25.4	0.8					
National Grassland	Caddo National Grassland	Sec27009	Texas	18731.7	33.745280	-95.947946	24.1	24.0	25.4	1.4	24.5	25.8	1.3					
National Grassland	Caddo National Grassland	Sec27010	Texas	18731.7	33.761764	-95.947467	24.2	24.2	25.6	1.4	24.6	26.0	1.4					
National Grassland	Caddo National Grassland	Sec27191	Texas	18731.7	33.711910	-95.929180	24.2	24.2	23.8	-0.4	24.6	24.4	-0.2					
National Grassland	Caddo National Grassland	Sec27192	Texas	18731.7	33.728394	-95.928697	24.0	24.0	24.2	0.2	24.4	24.7	0.3					
National Grassland	Caddo National Grassland	Sec27375	Texas	18731.7	33.711505	-95.909456	24.3	24.3	23.4	-0.9	24.7	24.1	-0.6					
National Grassland	Caddo National Grassland	Sec27563	Texas	18731.7	33.777032	-95.887770	23.1	23.1	24.6	1.5	23.5	25.1	1.6					
National Grassland	Caddo National Grassland	Sec27564	Texas	18731.7	33.793515	-95.887279	23.1	23.1	24.9	1.8	23.6	25.4	1.8					
National Grassland	Caddo National Grassland	Pri54578	Texas	18731.7	33.417347	-96.045963	25.4	25.4	29.3	3.9	25.8	31.7	5.9					
National Grassland	Caddo National Grassland	Pri54824	Texas	18731.7	33.425397	-96.035903	25.3	25.2	29.1	3.9	25.6	31.4	5.8					
National Grassland	Caddo National Grassland	Pri55069	Texas	18731.7	33.425203	-96.026073	25.3	25.3	28.6	3.3	25.6	30.5	4.9					
National Grassland	Caddo National Grassland	Pri55311	Texas	18731.7	33.400280	-96.016940	26.1	26.2	27.7	1.5	26.5	28.8	2.3					
National Grassland	Caddo National Grassland	Pri55312	Texas	18731.7	33.408523	-96.016707	25.9	25.9	27.6	1.7	26.2	28.9	2.7					
Local Park	Caddo Park	Pri45728	Texas	414.1	33.176464	-96.405732	32.4	32.4	33.7	1.3	33.0	34.4	1.4					
Local Park	Caddo Park	Pri45729	Texas	414.1	33.184708	-96.405537	32.6	32.6	33.7	1.1	33.4	34.9	1.5					
Local Park	Caddo Park	4f_571_CaddoPar	Texas	4.5	33.035670	-96.744860	44.8	44.7	44.7	0.0	45.1	45.1	0.0					
Local Park	Caddo Park Camp, William and Medora, House	4f_572_CaddoPar	Texas	414.1	33.184580	-96.407950	32.7	32.7	33.8	1.1	33.5	35.1	1.6					
NRHP		H_49_CampWill	Texas	N/A	33.143028	-96.107778	42.5	42.5	40.0	-2.5	42.8	40.4	-2.4					
Local Park	Campbell Green Park	4f_573_Campbell	Texas	24	32.977500	-96.787170	47.8	47.9	47.8	-0.1	48.2	48.3	0.1					
Local Park	Campbell Park	4f_574_Campbell	Texas	12.5	32.644350	-96.712890	40.3	40.4	42.3	1.9	39.9	42.3	2.4					
Local Park	Canyon Creek Park	4f_575_CanyonCr	Texas	8.5	32.981930	-96.738540	46.1	46.1	46.2	0.1	46.0	46.0	0.0					

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Carousel Park	4f_576_Carousel	Texas	7.5	32.861170	-97.151660	44.5	44.2	44.3	0.1	44.4	44.4	0.0
Local Park	Carr Park	4f_577_CarrPark	Texas	10.1	32.830820	-97.092070	50.0	50.2	50.3	0.1	50.5	50.6	0.1
NRHP	Cartwright, Matthew, House	H_50_Cartwrig	Texas	N/A	32.745778	-96.284778	43.3	43.4	42.1	-1.3	43.8	42.5	-1.3
Local Park	Caruth Park	4f_578_CaruthPa	Texas	7.5	32.858150	-96.788180	46.6	46.5	46.1	-0.4	46.7	46.3	-0.4
Local Park	Carver Park	4f_579_CarverPa	Texas	8.4	33.138750	-96.135280	42.7	42.7	40.1	-2.6	43.1	40.4	-2.7
Local Park	Carver Park	4f_580_CarverPa	Texas	8.8	32.357740	-97.373070	31.8	31.4	31.2	-0.2	31.6	31.4	-0.2
Local Park	Casa View Park	4f_581_CasaView	Texas	8.4	32.846830	-96.674760	47.8	47.8	46.5	-1.3	48.3	47.1	-1.2
Local Park	Casino Park	4f_582_CasinoPa	Texas	64.2	32.820350	-97.452830	53.3	53.4	53.5	0.1	53.7	53.8	0.1
Local Park	Cedar Bayou Park	4f_583_CedarBay	Texas	76.3	33.840980	-96.849300	37.4	37.3	37.4	0.1	37.7	37.8	0.1
Local Park	Cedar Creek Park	4f_584_CedarCre	Texas	193.9	31.995290	-97.371040	30.5	30.0	31.5	1.5	29.7	31.4	1.7
State Park	Cedar Hill State Park	Pri30710	Texas	1871.5	32.583156	-97.013929	43.3	43.4	43.7	0.3	43.7	44.1	0.4
State Park	Cedar Hill State Park	Pri30956	Texas	1871.5	32.591284	-97.004052	43.1	43.3	43.7	0.4	43.6	44.1	0.5
State Park	Cedar Hill State Park	Pri30957	Texas	1871.5	32.599530	-97.003913	43.4	43.5	44.1	0.6	43.9	44.5	0.6
State Park	Cedar Hill State Park	Pri31203	Texas	1871.5	32.607657	-96.994033	43.4	43.5	44.1	0.6	44.0	44.6	0.6
State Park	Cedar Hill State Park	Pri31449	Texas	1871.5	32.615784	-96.984150	43.4	43.6	44.1	0.5	44.1	44.6	0.5
State Park	Cedar Hill State Park	Pri31450	Texas	1871.5	32.624029	-96.984010	43.5	43.7	44.1	0.4	44.2	44.6	0.4
State Park	Cedar Hill State Park	Pri31451	Texas	1871.5	32.632275	-96.983869	43.5	43.7	44.0	0.3	44.2	44.4	0.2
State Park	Cedar Hill State Park	4F_25_4_CedarH	Texas	1871.5	32.607350	-96.994900	43.4	43.6	44.1	0.5	44.0	44.6	0.6
Local Park	Cedar Mills Park	Pri35271	Texas	411.8	33.825851	-96.815044	38.2	38.2	38.2	0.0	38.7	38.7	0.0
Local Park	Cedar Mills Park	Pri35272	Texas	411.8	33.834094	-96.814886	38.2	38.2	38.2	0.0	38.7	38.7	0.0
Local Park	Cedar Mills Park	4f_585_CedarMil	Texas	411.8	33.834760	-96.813730	38.2	38.2	38.2	0.0	38.7	38.7	0.0
Texas Hist. Comm.	Cedar Springs Place	H_492_CedarSpr	Texas	N/A	32.814077	-96.820883	62.3	62.8	62.9	0.1	64.3	64.5	0.2
Local Park	Cedardale Park	4f_586_Cedardal	Texas	10.6	32.672970	-96.774370	44.1	44.1	44.1	0.0	44.7	44.6	-0.1
Local Park	Cedardale Park	4f_587_Cedardal	Texas	6.4	32.629300	-96.799900	43.2	43.4	43.6	0.2	43.3	43.5	0.2
Local Park	Cedron Creek Park	4f_588_CedronCr	Texas	222.1	31.964980	-97.415000	28.5	27.9	32.1	4.2	27.5	32.0	4.5
Texas Hist. Comm.	Celestial Park	4f_589_Celestia	Texas	9.1	32.949220	-96.809490	53.8	53.8	53.7	-0.1	52.1	51.9	-0.2
	Celina Public School	H_403_CelinaPu	Texas	N/A	33.324606	-96.788824	41.2	41.3	41.0	-0.3	41.7	41.4	-0.3

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			State					E.C.	N.A.	P.A.	Change	N.A.	P.A.
NRHP	Central Christian Church	H_51_CentralC	Texas	N/A	33.138600	-96.108400	42.3	42.3	40.1	-2.2	42.7	40.5	-2.2
NRHP Texas Hist. Comm.	Central Congregational Church	H_52_CentralC	Texas	N/A	32.802222	-96.778917	53.7	54.0	53.4	-0.6	54.6	54.0	-0.6
	Central Handley Historic District	H_479_CentralH	Texas	N/A	32.732877	-97.218971	47.8	47.9	48.0	0.1	48.2	48.2	0.0
Local Park	Central Park	4f_590_CentralP	Texas	49.4	32.831040	-97.134450	44.9	44.8	44.9	0.1	45.0	45.1	0.1
Local Park	Central Park	4f_591_CentralP	Texas	5.6	32.821870	-97.176670	46.6	46.6	46.7	0.1	46.9	47.0	0.1
Local Park	Central Park	4f_592_CentralP	Texas	9.4	32.904520	-96.645380	46.0	45.9	44.4	-1.5	46.3	45.0	-1.3
NRHP Texas Hist. Comm.	Central Presbyterian Church	H_53_CentralP	Texas	N/A	32.389083	-96.844778	38.3	38.5	38.4	-0.1	39.2	39.2	0.0
	Central Roanoke Historic District	H_410_CentralR	Texas	N/A	33.001046	-97.229284	48.2	48.2	48.0	-0.2	48.3	48.1	-0.2
Local Park	Chapman Park	4f_593_ChapmanP	Texas	32.7	33.617900	-96.570480	33.4	33.6	33.3	-0.3	34.0	33.6	-0.4
Local Park	Chapman Park	4f_594_ChapmanP	Texas	10.1	32.408410	-96.837520	38.0	38.2	37.8	-0.4	38.9	38.6	-0.3
NRHP	Chapman, Oscar H., House	H_54_ChapmanO	Texas	N/A	32.404056	-96.845472	38.5	38.7	38.3	-0.4	39.5	39.2	-0.3
Local Park	Cherry Wood Park	4f_595_CherryWo	Texas	3.1	32.823020	-96.828300	63.8	64.3	64.3	0.0	65.6	65.5	-0.1
NRHP	Chevrolet Motor Company Building	H_55_Chevrole	Texas	N/A	32.784500	-96.776700	55.5	55.8	56.4	0.6	55.8	56.3	0.5
Local Park	Cheyenne Park	4f_596_Cheyenne	Texas	9.4	33.033520	-96.763730	45.4	45.3	45.2	-0.1	45.8	45.6	-0.2
Local Park	Cheyenne Park	4f_597_Cheyenne	Texas	24.1	32.724270	-96.637680	43.0	42.9	44.2	1.3	43.2	44.5	1.3
Local Park	Chisenhall Park	4f_598_Chisenha	Texas	52.1	32.523190	-97.328690	37.2	36.8	36.3	-0.5	36.6	36.1	-0.5
Local Park	Chisholm Trail Park	4f_599_Chisholm	Texas	49.4	32.142470	-97.478390	24.8	24.5	27.3	2.8	24.4	27.4	3.0
Local Park	Chisholm Park	4f_600_Chishol	Texas	56.8	32.858270	-97.171610	44.7	44.6	44.5	-0.1	44.9	44.7	-0.2
NRHP	Chorn, Lester H. and Maybel Bryant, House	H_56_ChornLes	Texas	N/A	32.563400	-97.139200	40.4	40.4	40.8	0.4	40.3	40.9	0.6
Local Park	Churchill Park	4f_601_Churchil	Texas	17.8	32.917730	-96.783840	46.6	46.7	46.1	-0.6	47.3	47.1	-0.2
Local Park	Circle Park	4f_602_CirclePa	Texas	5.3	32.780260	-97.356100	53.3	53.1	53.2	0.1	52.5	52.5	0.0
Local Park	City Park	4f_603_CityPark	Texas	22.3	33.213240	-98.159780	41.6	41.9	38.0	-3.9	42.1	38.3	-3.8
Local Park	City Park	4f_604_CityPark	Texas	6.4	32.886520	-97.159380	44.9	44.5	44.4	-0.1	44.7	44.5	-0.2
Local Park	City Park	4f_605_CityPark	Texas	75.8	32.877660	-97.516330	45.6	45.7	45.3	-0.4	45.9	45.5	-0.4
Local Park	City Park	4f_606_CityPark	Texas	19.2	32.840680	-97.254070	46.9	46.9	46.6	-0.3	47.0	46.8	-0.2
Local Park	City Park	4f_607_CityPark	Texas	12.1	32.804960	-97.282410	48.9	49.1	48.9	-0.2	49.2	49.0	-0.2

**Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

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Type of Resource	Site Name	Location			dB									
		Grid Point Location ID	State	Area (Acres)	Latitude	Longitude	2011		2014		2019			
							E.C.	N.A.	P.A.	Change	N.A.	P.A.		
Local Park	City Park	4f_608_CityPark	Texas	29.1	32.803100	-97.241150	48.4	48.6	48.5	-0.1	48.8	48.7	-0.1	
Local Park	City Park	4f_609_CityPark	Texas	15.3	32.786770	-97.278550	49.1	49.3	49.1	-0.2	49.5	49.3	-0.2	
Local Park	City Park	4f_610_CityPark	Texas	35.6	32.751380	-97.471930	45.4	45.4	44.7	-0.7	45.6	44.9	-0.7	
Local Park	City Park	4f_611_CityPark	Texas	18.9	32.799970	-97.456330	53.6	53.7	53.3	-0.4	54.0	53.6	-0.4	
Local Park	City Park	4f_612_CityPark	Texas	16.5	32.824230	-97.450700	50.5	50.6	50.8	0.2	50.9	51.1	0.2	
Local Park	City Park	4f_613_CityPark	Texas	17.1	32.794330	-97.479970	44.4	44.4	44.5	0.1	44.7	44.7	0.0	
Local Park	City Park	4f_614_CityPark	Texas	26.5	32.849200	-97.481570	46.9	47.1	47.3	0.2	47.4	47.5	0.1	
Local Park	City Park	4f_615_CityPark	Texas	766.7	32.772950	-96.788370	53.3	53.6	53.7	0.1	54.1	54.1	0.0	
Local Park	City Park	4f_616_CityPark	Texas	114.5	32.931520	-96.451130	45.3	45.3	44.6	-0.7	45.5	44.9	-0.6	
Local Park	City Park	4f_617_CityPark	Texas	1379.1	32.742570	-96.296380	43.0	43.1	42.0	-1.1	43.5	42.3	-1.2	
Local Park	City Park	4f_618_CityPark	Texas	2569.5	32.443750	-97.800980	28.3	28.4	26.0	-2.4	28.7	26.3	-2.4	
Local Park	City Park	4f_619_CityPark	Texas	12.9	32.017530	-97.123870	38.7	38.8	38.9	0.1	39.1	39.3	0.2	
NRHP	Clardy, U. P., House	H_57_ClardyUP	Texas	N/A	33.200111	-96.624333	35.9	35.9	35.4	-0.5	36.2	35.8	-0.4	
NRHP	Claremont Apartments	H_58_Claremon	Texas	N/A	32.804917	-96.777139	52.7	53.0	52.3	-0.7	53.7	52.9	-0.8	
Local Park	Clarence Foster Park	4f_620_Clarence	Texas	16.3	32.712360	-97.177160	46.4	46.7	46.4	-0.3	47.0	46.6	-0.4	
Local Park	Clear Lake Park	4f_621_ClearLak	Texas	138.9	33.056410	-96.489060	41.2	41.0	41.1	0.1	41.3	41.4	0.1	
NRHP	Cleburne Carnegie Library	H_59_Cleburne	Texas	N/A	32.348556	-97.386556	31.5	31.0	31.4	0.4	31.1	31.6	0.5	
State Park	Cleburne State Park	4F_27_5_Clebur	Texas	534.2	32.263490	-97.555790	25.2	25.4	25.9	0.5	25.8	26.5	0.7	
State Park	Cleburne State Park	Pri16951	Texas	534.2	32.266898	-97.562738	25.1	25.2	25.8	0.6	25.7	26.3	0.6	
State Park	Cleburne State Park	Pri17195	Texas	534.2	32.258578	-97.553120	25.3	25.4	25.9	0.5	25.8	26.5	0.7	
State Park	Cleburne State Park	Pri17196	Texas	534.2	32.266824	-97.553033	25.4	25.5	26.1	0.6	25.9	26.7	0.8	
NRHP	Clements Hall	H_60_Clements	Texas	N/A	32.843444	-96.784333	47.4	47.5	46.9	-0.6	47.9	47.3	-0.6	
NRHP	Clendenen-Carleton House	H_61_Clendene	Texas	N/A	33.581389	-96.179611	30.3	30.4	26.9	-3.5	30.7	27.8	-2.9	
NRHP	Cline--Bass House	H_62_ClineBas	Texas	N/A	33.202861	-96.626194	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6	
NRHP	Cloud-Stark House	H_63_CloudSta	Texas	N/A	33.621389	-97.140528	39.5	39.4	39.5	0.1	39.4	39.5	0.1	
Local Park	Cobb Park	4f_622_CobbPark	Texas	169.8	32.713180	-97.295910	45.8	45.4	46.2	0.8	45.5	46.2	0.7	
Local Park	Cochron Park	4f_623_CochronP	Texas	2.7	32.816890	-96.781920	50.7	51.0	50.3	-0.7	51.7	51.0	-0.7	

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			State					E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change		
Local Park	Cody Park	4f_624_CodyPark	Texas	12.8	32.847880	-96.608520	46.3	46.2	45.5	-0.7	46.4	45.7	-0.7			
NRHP	Coggins, J. R., House	H_64_CogginsJ	Texas	N/A	33.194667	-96.621889	35.5	35.5	35.5	0.0	35.9	35.8	-0.1			
NRHP	Cohn, Joe, House	H_65_CohnJoeH	Texas	N/A	32.399750	-96.845583	38.5	38.7	38.4	-0.3	39.4	39.2	-0.2			
Local Park	Cole Park	4f_625_ColePark	Texas	9.1	32.813140	-96.793200	54.5	54.8	54.2	-0.6	55.6	55.0	-0.6			
NRHP	Cole--Hipp House	H_66_ColeHipp	Texas	N/A	32.391556	-96.841111	38.1	38.3	38.2	-0.1	38.9	38.9	0.0			
NRHP	Coleman--Cole House	H_67_ColemanC	Texas	N/A	31.937556	-96.841833	32.8	32.8	33.0	0.2	33.7	33.9	0.2			
Local Park	Colgate Park	4f_626_ColgateP	Texas	23.9	32.730420	-96.998610	49.5	49.7	49.5	-0.2	50.0	49.8	-0.2			
Local Park	College Park	4f_627_CollegeP	Texas	5.4	33.052760	-97.008910	51.2	51.3	51.3	0.0	51.7	51.6	-0.1			
Local Park	College Park	4f_628_CollegeP	Texas	29.6	32.683600	-96.763840	44.6	44.6	44.4	-0.2	45.2	44.9	-0.3			
Local Park	Collett Park	4f_629_CollettP	Texas	7.3	32.718190	-97.392310	45.0	45.0	46.0	1.0	44.9	46.0	1.1			
NRHP	Collin County Mill and Elevator Company	H_68_CollinCo	Texas	N/A	33.197667	-96.609583	35.8	35.9	37.0	1.1	36.1	36.3	0.2			
Local Park	Collin Park	4f_630_CollinPa	Texas	168.1	33.047640	-96.532200	41.2	41.0	42.0	1.0	41.3	42.4	1.1			
Texas Hist. Comm.	Colonial Hill Historic District	H_456_Colonial	Texas	N/A	32.754610	-96.768158	51.2	51.5	51.8	0.3	52.1	52.3	0.2			
Local Park	Community Park	4f_631_Communit	Texas	48.8	32.101610	-96.478660	23.9	23.9	24.3	0.4	24.2	24.6	0.4			
NRHP	Connally, Roy, House	H_69_Connally	Texas	N/A	32.399889	-96.853889	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3			
NRHP	Continental Gin Company	H_70_Continen	Texas	N/A	32.786250	-96.777167	55.4	55.7	56.3	0.6	55.9	56.2	0.3			
NRHP	Cooke County Courthouse	H_71_CookeCou	Texas	N/A	33.624000	-97.145639	39.2	39.0	39.1	0.1	39.1	39.2	0.1			
Local Park	Coomer Park	4f_632_CoomerPa	Texas	12.6	32.944740	-96.637790	44.7	44.7	44.2	-0.5	44.9	44.5	-0.4			
State Park	Cooper Lake State Park - Doctors Creek	4F_15_6_Cooper	Texas	547.2	33.345740	-95.670250	36.7	36.9	36.6	-0.3	37.3	37.0	-0.3			
State Park	Cooper Lake State Park - South Sulphur	4F_19_7_Cooper	Texas	2668.2	33.291290	-95.653190	40.8	40.8	38.8	-2.0	41.2	39.3	-1.9			
State Park	Cooper Lake State Park - South Sulphur	Sec29742	Texas	2668.2	33.293855	-95.666359	40.7	40.8	38.7	-2.1	41.1	39.1	-2.0			
State Park	Cooper Lake State Park - South Sulphur	Sec29926	Texas	2668.2	33.293409	-95.646729	40.8	40.8	38.8	-2.0	41.2	39.3	-1.9			
State Park	Cooper Lake State Park - South Sulphur	Sec30110	Texas	2668.2	33.292960	-95.627100	40.7	40.7	39.0	-1.7	41.1	39.5	-1.6			
State Park	Cooper Lake State Park - South Sulphur	Sec30295	Texas	2668.2	33.308992	-95.606930	40.7	40.7	38.7	-2.0	41.1	39.2	-1.9			
Local Park	Copperas Branch Park	4f_633_Copperas	Texas	105.4	33.094890	-97.031390	47.7	47.9	47.8	-0.1	48.2	48.0	-0.2			

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
Texas Hist. Comm.	Corsicana Commercial Historic District	H_474_Corsican	Texas	N/A	32.094210	-96.464189	25.0	25.1	25.1	0.0	25.4	25.5	0.1
NRHP	Corsicana Oil Field Discovery Well	H_72_Corsican	Texas	N/A	32.089333	-96.464139	24.8	24.9	25.0	0.1	25.2	25.3	0.1
Texas Hist. Comm.	Cotton Belt Railroad Industrial Historic District	H_487_CottonBe	Texas	N/A	32.933469	-97.079313	50.5	50.7	50.6	-0.1	51.1	51.0	-0.1
Local Park	Cottonwood Park	4f_634_Cottonwo	Texas	93.5	33.144790	-96.945650	44.1	44.2	43.7	-0.5	44.6	43.9	-0.7
Local Park	Cottonwood Park	4f_635_Cottonwo	Texas	118.4	33.056690	-96.434450	42.4	42.3	41.2	-1.1	42.6	41.4	-1.2
Local Park	Cottonwood Park	4f_636_Cottonwo	Texas	122	32.726380	-97.009210	50.1	50.3	50.2	-0.1	50.6	50.5	-0.1
Local Park	Cottonwood Park	4f_637_Cottonwo	Texas	20.2	32.949210	-96.765070	48.0	48.0	47.5	-0.5	47.5	46.9	-0.6
Local Park	Cottonwood Park	4f_638_Cottonwo	Texas	4.8	32.935590	-96.758390	45.9	45.9	45.0	-0.9	46.1	45.1	-1.0
Local Park	Cottonwood Park	4f_639_Cottonwo	Texas	4.3	32.593670	-96.688400	37.1	37.3	36.6	-0.7	37.7	37.0	-0.7
Local Park	Cox Lane Park	4f_640_CoxLaneP	Texas	6.7	32.896280	-96.850010	45.1	45.0	44.8	-0.2	45.5	45.2	-0.3
Local Park	Craddock Park	4f_641_Craddock	Texas	10.1	32.819560	-96.816100	59.7	60.0	60.4	0.4	60.9	61.2	0.3
Local Park	Cravens Park	4f_642_CravensP	Texas	57.4	32.651940	-97.110440	43.9	44.0	44.2	0.2	44.1	44.4	0.3
Local Park	Crawford Park	4f_643_Crawford	Texas	266.5	32.713360	-96.669470	43.1	43.0	45.3	2.3	43.4	45.7	2.3
Local Park	Crawford Park	4f_644_Crawford	Texas	13.9	32.595850	-96.954490	42.1	42.2	42.6	0.4	42.7	43.1	0.4
Local Park	Crockett Park	4f_645_Crockett	Texas	15.3	32.739810	-96.996470	50.2	50.4	50.3	-0.1	50.7	50.6	-0.1
NRHP	Crouch--Perkins House	H_73_CrouchPe	Texas	N/A	33.198333	-96.606778	36.1	36.2	37.2	1.0	36.4	36.6	0.2
Local Park	Crowley Park	4f_646_CrowleyP	Texas	53.3	32.988120	-96.675180	43.2	43.2	43.9	0.7	43.3	43.9	0.6
Local Park	Crown Park	4f_647_CrownPar	Texas	16.2	32.899140	-96.900710	55.5	56.0	56.6	0.6	57.2	58.5	1.3
Local Park	Cullam Park	4f_648_CullamPa	Texas	12.4	32.923480	-96.646880	45.3	45.3	44.2	-1.1	45.6	44.5	-1.1
Local Park	Culleoka Park	4f_649_Culleoka	Texas	90.3	33.101750	-96.494610	38.8	38.4	40.1	1.7	38.9	40.6	1.7
Local Park	Cummings Park	4f_650_Cummings	Texas	3.4	32.698330	-96.770250	46.0	46.0	45.5	-0.5	46.5	46.0	-0.5
Local Park	Curtis Park	4f_651_CurtisPa	Texas	8.5	32.850360	-96.792510	47.2	47.2	46.8	-0.4	47.6	47.2	-0.4
Local Park	Custer Park	4f_652_CusterPa	Texas	8.7	32.996560	-96.730410	44.8	44.9	45.0	0.1	45.1	45.2	0.1
NRHP	Dallas County Courthouse	H_74_DallasCo	Texas	N/A	32.779278	-96.807333	52.4	52.7	52.5	-0.2	53.5	53.3	-0.2
NRHP	Dallas Fire Station No. 16	H_75_DallasFi	Texas	N/A	32.799111	-96.755278	51.1	51.3	50.5	-0.8	51.5	50.7	-0.8
NRHP	Dallas Hall	H_76_DallasHa	Texas	N/A	32.845250	-96.784889	47.3	47.3	46.8	-0.5	47.7	47.2	-0.5

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
Texas Hist. Comm.	Dallas High School Historic District	H_451_DallasHi	Texas	N/A	32.786179	-96.793437	55.5	55.9	56.1	0.2	57.0	57.4	0.4			
NRHP	Dallas National Bank	H_77_DallasNa	Texas	N/A	32.780200	-96.798300	53.4	53.8	53.7	-0.1	54.7	54.4	-0.3			
Zoo	Dallas Park Zoo	4F_0_DPZoo	Texas	106	32.742664	-96.814010	48.5	48.7	48.4	-0.3	49.2	48.7	-0.5			
Zoo	Dallas Park Zoo	4F_1_DPZoo	Texas	106	32.739832	-96.817067	48.2	48.4	48.0	-0.4	48.9	48.4	-0.5			
Zoo	Dallas Park Zoo	4F_2_DPZoo	Texas	106	32.736298	-96.816208	47.9	48.2	47.7	-0.5	48.6	48.1	-0.5			
NRHP	Dallas Scottish Rite Temple Dallas Tent and Awning Building	H_78_DallasSc	Texas	N/A	32.778889	-96.792222	53.9	54.2	54.2	0.0	55.0	55.0	0.0			
NRHP	Dallas Times Herald Pasadena Perfect Home	H_79_DallasTe	Texas	N/A	32.785194	-96.774861	55.3	55.6	56.2	0.6	55.5	56.0	0.5			
Texas Hist. Comm.	Dallas Union Terminal	H_419_DallasTi	Texas	N/A	32.818928	-96.737892	48.7	48.8	48.0	-0.8	49.1	48.2	-0.9			
Texas Hist. Comm.	Danieldale Park	4f_653_Danielda	Texas	18.4	32.775382	-96.807750	52.0	52.2	52.0	-0.2	52.9	52.7	-0.2			
Local Park	Davis, H. L., House Davis, William and Anna, House	H_81_DavisHLH	Texas	N/A	33.203667	-96.621222	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6			
NRHP	Davis, H. L., House Davis, William and Anna, House	H_82_DavisWil	Texas	N/A	33.619611	-97.142722	39.4	39.3	39.4	0.1	39.3	39.4	0.1			
NRHP	Davis--Hill House	H_80_DavisHil	Texas	N/A	33.205556	-96.616667	36.4	36.5	36.0	-0.5	36.8	36.1	-0.7			
Local Park	Dealey Park	4f_654_DealeyPa	Texas	15.7	32.895950	-96.791440	46.3	46.3	46.1	-0.2	46.7	46.7	0.0			
National Historic Landmark	Dealey Plaza Historic District	NNL_1_Dealey	Texas	15	32.778866	-96.808439	52.3	52.5	52.4	-0.1	53.3	53.2	-0.1			
Texas Hist. Comm.	Dealey Plaza Historic District	H_450_DealeyPl	Texas	15	32.778696	-96.807803	52.3	52.6	52.4	-0.2	53.4	53.2	-0.2			
Local Park	Deer Path Park	4f_655_DeerPath	Texas	6.1	32.712420	-96.793380	47.1	47.1	46.5	-0.6	47.8	47.1	-0.7			
Texas Hist. Comm.	DeGolyer Estate	H_448_DeGolyer	Texas	N/A	32.821771	-96.718051	48.3	48.4	47.6	-0.8	48.7	48.1	-0.6			
Local Park	Denia Park Denison Commercial Historic District	4f_656_DeniaPar	Texas	23.4	33.189330	-97.143330	41.9	41.9	42.1	0.2	42.1	42.3	0.2			
Texas Hist. Comm.	Denton County Courthouse Denton County Courthouse Square Historic District	H_433_DenisonC	Texas	N/A	33.755486	-96.538765	36.6	36.8	36.7	-0.1	37.2	37.1	-0.1			
NRHP	Denton County Courthouse Denton County Courthouse Square Historic District	H_83_DentonCo	Texas	N/A	33.215139	-97.132972	41.7	41.7	41.8	0.1	41.8	42.0	0.2			
Local Park	Devon Park	4f_657_DevonPar	Texas	24.9	32.741120	-96.707440	46.7	46.8	48.4	1.6	47.2	48.8	1.6			
Local Park	Diamond Hill Park	4f_658_DiamondH	Texas	19.3	32.810530	-97.336000	47.8	48.0	47.9	-0.1	48.1	48.1	0.0			

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
NRHP National Natural Landmark	Dillon, George C., House	H_84_DillonGe	Texas	N/A	32.398972	-96.854333	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3			
	Dinosaur Valley State Park	Pri10824	Texas	1773.8	32.252007	-97.805497	27.0	27.1	25.8	-1.3	27.5	26.0	-1.5			
State Park National Natural Landmark	Dinosaur Valley State Park	4F_28_8_Dinosa	Texas	1773.8	32.250120	-97.812080	26.9	27.0	25.9	-1.1	27.4	26.0	-1.4			
National Natural Landmark	Dinosaur Valley State Park	NNL_7_Dinosa	Texas	1773.8	32.251510	-97.812200	27.0	27.1	25.9	-1.2	27.5	26.1	-1.4			
National Natural Landmark	Dinosaur Valley State Park	Pri10334	Texas	1773.8	32.252115	-97.824905	27.2	27.3	26.5	-0.8	27.7	26.5	-1.2			
National Natural Landmark	Dinosaur Valley State Park	Pri10580	Texas	1773.8	32.260307	-97.815138	27.4	27.5	26.6	-0.9	27.9	26.6	-1.3			
State Park National Natural Landmark	Dinosaur Valley State Park	Pri11068	Texas	1773.8	32.243706	-97.795859	27.0	27.0	25.3	-1.7	27.4	25.5	-1.9			
State Park National Natural Landmark	Dinosaur Valley State Park	Pri10581	Texas	1773.8	32.268553	-97.815075	27.6	27.7	26.7	-1.0	28.1	26.7	-1.4			
NRHP	Dixon--Moore House	H_85_DixonMoo	Texas	N/A	32.802222	-96.778917	53.7	54.0	53.4	-0.6	54.6	54.0	-0.6			
Local Park	Doe Branch Park	Pri32253	Texas	163.5	33.184341	-96.944972	43.7	43.8	43.3	-0.5	44.2	43.7	-0.5			
Local Park	Doe Branch Park	4f_659_DoeBranc	Texas	163.5	33.182630	-96.943430	43.6	43.7	43.2	-0.5	44.1	43.7	-0.4			
Local Park	Doug Russel Park	4f_660_DougRuss	Texas	8.6	32.727560	-97.116190	49.0	49.3	49.0	-0.3	49.6	49.3	-0.3			
Local Park	Dove Park	4f_661_DovePark	Texas	9.3	32.956030	-97.098250	45.9	46.0	45.9	-0.1	46.3	46.2	-0.1			
NRHP	Dowell, J. S., House	H_86_DowellJS	Texas	N/A	33.193222	-96.622583	35.4	35.5	35.4	-0.1	35.8	35.8	0.0			
NRHP	Dulaney, Joe E., House	H_87_DulaneyJ	Texas	N/A	33.194861	-96.613111	35.5	35.5	36.0	0.5	35.8	36.0	0.2			
NRHP	Dulaney, Joseph Field, House	H_88_DulaneyJ	Texas	N/A	33.194500	-96.613111	35.4	35.4	36.0	0.6	35.8	36.0	0.2			
Local Park	Duncan Robinson Park	4f_662_DuncanRo	Texas	9.4	32.712860	-97.141960	47.3	47.6	47.2	-0.4	47.9	47.4	-0.5			
NRHP	Dunkerly, G. G., House	H_89_Dunkerly	Texas	N/A	32.326667	-96.633417	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5			
Local Park	Dutch Branch Park	4f_663_DutchBra	Texas	383.3	32.660820	-97.478470	39.3	39.4	41.9	2.5	39.6	42.1	2.5			
Local Park	East Fork Park	4f_664_EastFork	Texas	87.2	33.037900	-96.512540	41.6	41.4	42.1	0.7	41.7	42.4	0.7			
Local Park	East Hill Park	4f_665_EastHill	Texas	286.3	33.072220	-96.916310	46.2	46.2	46.1	-0.1	46.6	46.5	-0.1			
Local Park	Eastern Hill Park	4f_666_EasternH	Texas	14.4	32.872090	-96.604690	46.7	46.8	45.3	-1.5	47.0	45.5	-1.5			
NRHP	Eastham, D. D., House	H_90_EasthamD	Texas	N/A	31.943028	-96.857167	33.3	33.3	33.4	0.1	34.2	34.4	0.2			
Local Park	Eastover Park	4f_667_Eastover	Texas	14.8	32.722430	-97.258270	46.3	46.5	46.7	0.2	46.6	46.9	0.3			
Local Park	Eastvale Park	4f_668_Eastvale	Texas	77.8	33.115160	-96.893460	46.5	46.5	45.9	-0.6	46.9	46.3	-0.6			
NRHP	Eddleman-McFarland House	H_91_Eddleman	Texas	N/A	32.747250	-97.342778	48.2	48.2	47.8	-0.4	48.0	47.6	-0.4			

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
Local Park	Edison Park	4f_669_EdisonPa	Texas	29.8	33.627590	-97.125290	40.5	40.4	40.5	0.1	40.5	40.6	0.1			
State Park	Eisenhower State Park	4F_6_9_Eisenh	Texas	409.1	33.818850	-96.609360	41.6	41.7	41.7	0.0	42.0	42.0	0.0			
NRHP Texas Hist. Comm.	Electric Building Elizabeth Boulevard Historic District	H_92_Electric	Texas	N/A	32.751500	-97.333222	47.5	47.5	47.1	-0.4	47.5	47.1	-0.4			
Texas Hist. Comm.	Ellis County Courthouse Historic District	H_435_Elizabet	Texas	N/A	32.716573	-97.339184	46.5	46.4	47.2	0.8	45.8	46.7	0.9			
Local Park	Ellis Park	H_466_EllisCou	Texas	N/A	32.384078	-96.848732	38.5	38.7	38.7	0.0	39.4	39.4	0.0			
Local Park	Ellis, James H. and Molly, House	4f_670_EllisPar	Texas	12.8	32.701770	-97.305990	45.0	44.6	45.6	1.0	44.5	45.5	1.0			
NRHP		H_93_EllisJam	Texas	N/A	32.755028	-96.761944	51.3	51.6	52.3	0.7	52.0	52.6	0.6			
Local Park	Elm Creek Park	Pri44988	Texas	240.5	33.135733	-96.436106	34.8	34.6	37.3	2.7	35.1	37.6	2.5			
Local Park	Elm Creek Park	Pri45233	Texas	240.5	33.135570	-96.426307	34.8	34.6	37.4	2.8	35.0	37.7	2.7			
Local Park	Elm Creek Park	4f_671_ElmCreek	Texas	240.5	33.134900	-96.430490	34.8	34.6	37.4	2.8	35.1	37.7	2.6			
Local Park	Elmhurst Park	Pri2559	Texas	85.7	32.789424	-98.133225	38.7	38.7	39.1	0.4	39.0	39.3	0.3			
Local Park	Elmhurst Park	4f_672_Elmhurst	Texas	85.7	32.787980	-98.133920	38.7	38.7	39.0	0.3	39.0	39.3	0.3			
NRHP	Emanuel Lutheran Church	H_94_Emanuell	Texas	N/A	32.800639	-96.781083	54.5	54.7	54.4	-0.3	55.4	54.9	-0.5			
Local Park Texas Hist. Comm.	Embree Park Ennis Commercial Historic District	4f_673_EmbreePa	Texas	10.6	32.897960	-96.623250	46.4	46.4	45.0	-1.4	46.7	45.4	-1.3			
NRHP Texas Hist. Comm.	Ennis Cotton Compress	H_471_EnnisCom	Texas	N/A	32.327846	-96.627981	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6			
NRHP	Ennis Cotton Oil Company	H_95_EnnisCot	Texas	N/A	32.323583	-96.623083	30.2	30.3	28.7	-1.6	30.5	28.8	-1.7			
NRHP	Ennis High School	H_97_EnnisHig	Texas	N/A	32.328500	-96.634417	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6			
Local Park	Erwin Municipal Park	4f_674_ErwinMun	Texas	223.6	33.255040	-96.655230	39.5	39.6	37.8	-1.8	39.9	38.1	-1.8			
NRHP	Erwin, J. R., House	H_98_ErwinJRH	Texas	N/A	32.394361	-96.848056	38.6	38.8	38.6	-0.2	39.5	39.4	-0.1			
NRHP	Estes House	H_99_EstesHou	Texas	N/A	33.204750	-96.621194	36.2	36.2	35.6	-0.6	36.5	35.9	-0.6			
Local Park	Estes Park	Pri30222	Texas	649.7	32.599878	-97.033135	44.5	44.6	45.1	0.5	44.9	45.5	0.6			
Local Park	Estes Park	Pri30223	Texas	649.7	32.608124	-97.032999	44.8	44.9	45.4	0.5	45.2	45.8	0.6			
Local Park	Estes Park	Pri30468	Texas	649.7	32.608008	-97.023258	44.4	44.5	45.1	0.6	44.8	45.5	0.7			
Local Park	Estes Park	Pri30469	Texas	649.7	32.616254	-97.023121	44.7	44.8	45.4	0.6	45.2	45.8	0.6			
Local Park	Estes Park	Pri30714	Texas	649.7	32.616138	-97.013378	44.3	44.4	45.0	0.6	44.8	45.4	0.6			

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Local Park	Estes Park	Pri30715	Texas	649.7	32.624383	-97.013240	44.6	44.7	45.2	0.5	45.1	45.6	0.5		
Local Park	Estes Park	4f_675_EstesPar	Texas	649.7	32.612440	-97.023170	44.6	44.7	45.3	0.6	45.0	45.7	0.7		
Local Park	Evans Park	4f_676_EvansPar	Texas	12.4	33.021920	-96.754220	45.1	45.1	45.0	-0.1	45.6	45.7	0.1		
Local Park	Everglade Park	4f_677_Everglad	Texas	7.8	32.786230	-96.698980	47.7	47.9	47.7	-0.2	48.4	48.1	-0.3		
Local Park	Evers Park	4f_678_EversPar	Texas	21.1	33.246400	-97.132810	41.7	41.6	41.8	0.2	41.7	41.9	0.2		
Local Park	Exall Park	4f_679_ExallPar	Texas	9.9	32.793370	-96.784690	55.9	56.2	56.5	0.3	56.9	57.0	0.1		
Local Park	Exline Park	4f_680_ExlinePa	Texas	5.7	32.757230	-96.760750	51.7	52.0	52.8	0.8	52.4	53.1	0.7		
NRHP	Fain House	H_100_FainHous	Texas	N/A	32.328472	-96.632944	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6		
Local Park	Fair Oaks Park	4f_681_FairOaks	Texas	327.9	32.886560	-96.751180	45.4	45.5	44.6	-0.9	46.1	46.1	0.0		
National Historic Landmark	Fair Park Texas Centennial Buildings	NNL_2_FairPa	Texas	277	32.781401	-96.763688	53.7	54.0	54.3	0.3	54.0	54.3	0.3		
		H_102_FairesFC	Texas	N/A	33.192528	-96.613389	35.3	35.3	36.0	0.7	35.7	36.0	0.3		
NRHP	Faires, F. C., House	H_101_FairesBe	Texas	N/A	33.194667	-96.612889	35.4	35.5	36.1	0.6	35.8	36.0	0.2		
Local Park	Fairfax Park	4f_682_FairfaxP	Texas	2.2	32.833140	-96.814560	54.6	54.9	54.3	-0.6	55.8	55.2	-0.6		
State Park	Fairfield Lake State Park	4F_31_10_Fairfi	Texas	1460	31.775900	-96.066780	22.1	22.2	23.6	1.4	22.6	23.9	1.3		
State Park	Fairfield Lake State Park	Sec26153	Texas	1460	31.768401	-96.081402	22.9	23.0	24.0	1.0	23.4	24.3	0.9		
State Park	Fairfield Lake State Park	Sec26154	Texas	1460	31.784888	-96.080957	22.3	22.5	23.8	1.3	22.9	24.1	1.2		
Texas Hist. Comm.	Fairmount--Southside Historic District	H_486_Fairmoun	Texas	N/A	32.724270	-97.337631	47.2	47.2	47.6	0.4	46.4	47.0	0.6		
Texas Hist. Comm.	Historic District (Boundary Increase)	H_485_Fairmoun	Texas	N/A	32.729738	-97.332368	47.3	47.2	47.5	0.3	46.7	47.0	0.3		
Local Park	Fairview Park	4f_683_Fairview	Texas	71.4	33.653790	-96.627530	38.4	38.6	38.6	0.0	39.0	38.9	-0.1		
Local Park	Fairview Park	4f_684_Fairview	Texas	8	32.315190	-96.612660	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5		
NRHP	Fannin, James W., Elementary School	H_103_FanninJa	Texas	N/A	32.805417	-96.775833	52.4	52.7	52.0	-0.7	53.3	52.5	-0.8		
NRHP	Farmers National Bank	H_104_FarmersN	Texas	N/A	32.010500	-97.131250	38.5	38.6	38.7	0.1	38.9	39.0	0.1		
NRHP	Farmersville Masonic Lodge No. 214, A.F. & A.M.	H_105_Farmersv	Texas	N/A	33.163600	-96.359600	32.8	32.8	34.9	2.1	33.1	35.2	2.1		
NRHP	Farrar House	H_106_FarrarHo	Texas	N/A	32.321417	-96.622278	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6		
Local Park	Fergusan Road Park	4f_685_Fergusan	Texas	10.4	32.816420	-96.682050	47.6	47.8	47.3	-0.5	48.1	48.1	0.0		

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NRHP	Ferguson, John H., House	H_107_Ferguson	Texas	N/A	33.202889	-96.617611	36.2	36.3	35.9	-0.4	36.6	36.0	-0.6
NRHP Texas Hist. Comm.	Ferris School	H_108_FerrisSc	Texas	N/A	32.386528	-96.843556	38.3	38.4	38.4	0.0	39.1	39.1	0.0
	Fidelity Union Life Insurance Building	H_404_Fidelity	Texas	N/A	32.783993	-96.800109	54.0	54.3	54.2	-0.1	55.4	55.1	-0.3
Local Park	Fielder Park	4f_686_FielderP	Texas	6.1	32.725190	-97.133510	48.6	48.8	48.5	-0.3	49.1	48.8	-0.3
Local Park	Finch Park	4f_687_FinchPar	Texas	28.9	33.191260	-96.618660	35.4	35.4	35.7	0.3	35.8	35.9	0.1
Local Park	Fireside Park	4f_688_Fireside	Texas	41.5	32.700120	-96.672060	42.6	42.6	45.6	3.0	43.3	46.1	2.8
NRHP Texas Hist. Comm.	First Christian Church	H_109_FirstChr	Texas	N/A	32.752556	-97.332333	47.4	47.4	47.1	-0.3	47.5	47.1	-0.4
	First Methodist Church of Rockwall	H_414_FirstMet	Texas	N/A	32.930878	-96.458325	45.3	45.3	44.8	-0.5	45.5	45.0	-0.5
NRHP Texas Hist. Comm.	First National Bank Building	H_110_FirstNat	Texas	N/A	32.736583	-96.276944	42.6	42.7	41.5	-1.2	43.1	41.9	-1.2
	First National Bank Building	H_401_FirstNat	Texas	N/A	32.754458	-97.330807	47.3	47.3	47.0	-0.3	47.4	47.1	-0.3
NRHP	First Presbyterian Church	H_111_FirstPre	Texas	N/A	32.811472	-98.115889	38.6	38.7	39.4	0.7	38.9	39.7	0.8
Local Park	Fish Trap Park	4f_689_FishTrap	Texas	10.6	33.237350	-97.045620	42.4	42.4	42.3	-0.1	42.6	42.5	-0.1
NRHP	Flatiron Building	H_112_Flatiron	Texas	N/A	32.750556	-97.329722	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4
Local Park	Flipper Park	4f_690_FlipperP	Texas	3	32.830900	-96.811690	54.3	54.7	54.1	-0.6	55.7	55.0	-0.7
Local Park	Florence Park	4f_691_Florence	Texas	13.6	32.828830	-96.638080	46.6	46.7	46.3	-0.4	47.1	46.4	-0.7
NRHP	Florence, Fred, Hall	H_113_Florence	Texas	N/A	32.845361	-96.786333	47.4	47.4	46.9	-0.5	47.8	47.2	-0.6
Local Park	Flowing Wells Park	Pri36000	Texas	181.7	33.775992	-96.786381	37.0	37.1	36.9	-0.2	37.5	37.3	-0.2
Local Park	Flowing Wells Park	4f_692_FlowingW	Texas	181.7	33.777520	-96.782400	36.9	36.9	36.8	-0.1	37.3	37.1	-0.2
NRHP NRHP	Foote--Crouch House	H_114_FooteCro	Texas	N/A	33.194583	-96.617833	35.6	35.6	35.8	0.2	35.9	35.9	0.0
	Forest Avenue High School, Old	H_115_ForestAv	Texas	N/A	32.771333	-96.764944	53.6	54.0	54.9	0.9	54.2	55.1	0.9
Local Park	Forest Park	4f_693_ForestPa	Texas	13.4	33.752590	-96.540110	36.6	36.8	36.7	-0.1	37.2	37.1	-0.1
Local Park	Forest Park	4f_694_ForestPa	Texas	173.3	32.722240	-97.356070	46.2	46.2	46.7	0.5	45.8	46.4	0.6
NRHP	Forrest, W. B., House	H_116_ForrestW	Texas	N/A	31.941306	-96.861444	33.4	33.3	33.5	0.2	34.4	34.5	0.1
State Park	Fort Parker State Park	4F_32_11_FortPa	Texas	1458.8	31.596780	-96.545070	32.8	33.0	33.3	0.3	33.7	33.9	0.2
State Park	Fort Parker State Park	Sec21726	Texas	1575.3	31.595272	-96.548542	32.8	33.1	33.3	0.2	33.7	33.9	0.2
State Park	Fort Parker State Park	Sec21910	Texas	1575.3	31.594964	-96.529280	32.6	32.8	33.0	0.2	33.5	33.7	0.2

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National Historic Landmark	Fort Richardson	NNL_3_FortRi	Texas	380.8	33.207109	-98.163137	41.2	41.4	38.3	-3.1	41.6	38.5	-3.1
Texas Hist. Comm.	Fort Richardson	H_436_FortRich	Texas	380.8	33.206862	-98.157314	41.3	41.6	38.2	-3.4	41.8	38.5	-3.3
Texas Hist. Comm.	Fort Richardson	H_437_FortRich	Texas	380.8	33.206862	-98.157314	41.3	41.6	38.2	-3.4	41.8	38.5	-3.3
State Park & Historic Site	Fort Richardson State Park and State Historic Site	4F_21_12_FortRi	Texas	381.8	33.202260	-98.161950	40.9	41.1	38.5	-2.6	41.3	38.8	-2.5
Texas Hist. Comm.	Fort Worth Botanic Garden	H_406_FortWort	Texas	N/A	32.738498	-97.361839	47.6	47.5	47.2	-0.3	47.1	46.8	-0.3
NRHP	Fort Worth Club Building--1916	H_117_FortWort	Texas	N/A	32.744778	-97.330778	47.4	47.5	47.2	-0.3	47.4	47.0	-0.4
NRHP	Fort Worth Elks Lodge 124	H_118_FortWort	Texas	N/A	32.753056	-97.334889	47.5	47.6	47.2	-0.4	47.6	47.2	-0.4
NRHP	Fort Worth High School	H_119_FortWort	Texas	N/A	32.735750	-97.329889	47.3	47.3	47.3	0.0	47.0	47.0	0.0
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18493	Texas	3349	32.860146	-97.497842	45.9	46.1	45.8	-0.3	46.3	46.1	-0.2
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18494	Texas	3349	32.868391	-97.497748	46.0	46.2	45.7	-0.5	46.4	46.0	-0.4
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18737	Texas	3349	32.851821	-97.488166	46.5	46.6	46.6	0.0	46.9	46.9	0.0
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18738	Texas	3349	32.860067	-97.488072	46.5	46.6	46.4	-0.2	46.9	46.6	-0.3
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18982	Texas	3349	32.851741	-97.478397	47.2	47.4	47.5	0.1	47.7	47.8	0.1
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri19228	Texas	3349	32.859906	-97.468532	47.3	47.5	47.2	-0.3	47.7	47.5	-0.2
National Natural Landmark	Fort Worth Nature Center & Refuge	NNL_8_FortWo	Texas	3349	32.844830	-97.477200	47.6	47.8	48.0	0.2	48.1	48.3	0.2
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18981	Texas	3349	32.843495	-97.478492	47.6	47.7	48.0	0.3	48.0	48.3	0.3
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri19227	Texas	3349	32.851660	-97.468628	47.9	48.1	48.1	0.0	48.4	48.4	0.0
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18979	Texas	3349	32.827004	-97.478682	48.2	48.3	48.3	0.0	48.6	48.5	-0.1
National Natural Landmark	Fort Worth Nature Center & Refuge	Pri18980	Texas	3349	32.835249	-97.478587	48.2	48.4	48.7	0.3	48.6	48.9	0.3
NRHP	Fort Worth Public Market	H_120_FortWort	Texas	N/A	32.744333	-97.338056	47.9	48.0	47.6	-0.4	47.6	47.3	-0.3
Texas Hist. Comm.	Fort Worth Stockyards Historic District	H_481_FortWort	Texas	N/A	32.790256	-97.345544	49.1	49.1	49.2	0.1	49.0	49.1	0.1
NRHP	Fort Worth US Courthouse	H_121_FortWort	Texas	N/A	32.748972	-97.334111	47.6	47.6	47.2	-0.4	47.5	47.2	-0.3



**Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

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Type of Resource	Site Name	Grid Point Location ID	Location				2011	2014			2019		
			State	Area (Acres)	Latitude	Longitude		E.C.	N.A.	P.A.	Change	N.A.	P.A.
Wildlife Management Area	Fossil Rim Wildlife Center	C484250001003175	Texas	1,700	32.181292	-97.80656	25.8	25.9	24.7	-1.2	26.2	24.9	-1.3
Wildlife Management Area	Fossil Rim Wildlife Center	C484250001003246	Texas	1,700	32.171595	-97.796939	25.9	25.9	25.3	-0.6	26.2	25.5	-0.7
Wildlife Management Area	Fossil Rim Wildlife Center	Pri10812	Texas	1,700	32.153056	-97.806266	25.3	25.3	25.1	-0.2	25.6	25.4	-0.2
Wildlife Management Area	Fossil Rim Wildlife Center	Pri10813	Texas	1,700	32.161301	-97.806202	25.4	25.4	25.0	-0.4	25.7	25.3	-0.4
Wildlife Management Area	Fossil Rim Wildlife Center	Pri10814	Texas	1,700	32.169547	-97.806138	25.6	25.6	24.9	-0.7	25.9	25.1	-0.8
Wildlife Management Area	Fossil Rim Wildlife Center	Pri11057	Texas	1,700	32.153001	-97.796574	25.7	25.6	25.7	0.1	25.9	26.0	0.1
Wildlife Management Area	Fossil Rim Wildlife Center	Pri11058	Texas	1,700	32.161247	-97.796509	25.7	25.7	25.5	-0.2	26.0	25.8	-0.2
Wildlife Management Area	Fossil Rim Wildlife Center	Pri11060	Texas	1,700	32.177739	-97.796379	26.0	26.0	25.1	-0.9	26.3	25.4	-0.9
Local Park	Foster Park	4f_695_FosterPa	Texas	15	32.686400	-97.375860	42.6	42.4	44.3	1.9	42.3	44.3	2.0
NRHP	Fox, S. H., House	H_122_FoxSHHou	Texas	N/A	33.202861	-96.625750	36.1	36.2	35.5	-0.7	36.5	35.9	-0.6
Local Park	Foxboro Park	4f_696_FoxboroP	Texas	8.9	32.989040	-96.698420	44.0	44.0	44.4	0.4	44.0	44.4	0.4
Local Park	Freedom Park	4f_697_FreedomP	Texas	8.3	32.861760	-96.615500	46.8	46.7	45.4	-1.3	47.0	45.6	-1.4
Local Park	Freedom Park	4f_698_FreedomP	Texas	9.5	32.654330	-97.021670	46.1	46.3	46.3	0.0	46.7	46.7	0.0
Local Park	Fretz Park	4f_699_FretzPar	Texas	30.5	32.948960	-96.781760	49.9	50.0	49.6	-0.4	48.8	48.2	-0.6
Local Park	Frisco Park	4f_700_FriscoPa	Texas	188.4	33.160250	-96.946140	43.5	43.6	43.3	-0.3	43.9	43.6	-0.3
Local Park	Fritz Park	4f_701_FritzPar	Texas	64.8	32.797830	-96.941330	49.7	49.8	49.9	0.1	50.0	50.2	0.2
Local Park	Fruitdale Park	4f_702_Fruitdal	Texas	4.5	32.709470	-96.759850	46.5	46.5	46.3	-0.2	47.1	46.7	-0.4
NRHP Texas Hist. Comm.	G & J Manufacturing	H_123_G&JManuf	Texas	N/A	32.785667	-96.770556	54.8	55.1	55.3	0.2	54.9	55.1	0.2
	Gallagher House	H_389_Gallaghe	Texas	N/A	32.882620	-98.147709	39.7	39.8	40.5	0.7	40.1	40.9	0.8

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		Grid Point Location ID	State	Area (Acres)			E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Galloway Park	4f_703_Galloway	Texas	8.3	32.770540	-96.633640	45.7	45.8	46.2	0.4	46.3	46.9	0.6
Local Park	Garrett Park	4f_704_GarrettP	Texas	6.7	32.806880	-96.770870	51.4	51.6	50.8	-0.8	52.2	51.3	-0.9
Local Park	Gatewood Park	4f_705_Gatewood	Texas	52.9	32.853440	-96.614770	46.6	46.5	45.5	-1.0	46.7	45.6	-1.1
NRHP	Gebhardt Bakery	H_124_Gebhardt	Texas	N/A	32.011917	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1
Local Park	Germany Park	4f_706_GermanyP	Texas	4.3	32.843840	-96.813200	49.9	50.1	49.8	-0.3	50.9	50.5	-0.4
Local Park	Gibbins Park	4f_707_GibbinsP	Texas	6.7	32.767280	-97.118600	54.0	54.2	54.2	0.0	54.5	54.4	-0.1
NRHP	Gilbert, Samuel and Julia, House	H_125_GilbertS	Texas	N/A	32.918167	-96.890833	50.2	50.5	51.9	1.4	51.5	54.5	3.0
Local Park	Gill Park	4f_708_GillPark	Texas	9	32.742770	-96.293820	43.1	43.1	42.0	-1.1	43.6	42.4	-1.2
Texas Hist. Comm.	Gillespie Farm	H_126_Gillespi	Texas	N/A	32.325500	-96.612000	29.6	29.6	28.0	-1.6	29.8	28.2	-1.6
Local Park	Glencoe Park	4f_709_GlencoeP	Texas	15.7	32.832630	-96.778210	48.1	48.2	47.7	-0.5	48.7	48.1	-0.6
Local Park	Glendale Park	4f_710_Glendale	Texas	81	32.682440	-96.799150	45.4	45.5	44.9	-0.6	46.0	45.3	-0.7
Local Park	Glenwood Park	4f_711_Glenwood	Texas	29.5	32.734160	-97.305600	46.9	46.8	47.0	0.2	46.8	47.0	0.2
Local Park	Glover Park	4f_712_GloverPa	Texas	9.2	32.764390	-96.707990	47.5	47.8	47.9	0.1	48.1	48.3	0.2
Local Park	Goodman Park	4f_713_GoodmanP	Texas	4.2	32.729530	-97.421900	47.1	47.1	47.3	0.2	47.2	47.4	0.2
NRHP	Goodner, Jim B., House Goodyear Tire and Rubber Company Building and B.F. Goodrich Building	H_127_GoodnerJ	Texas	N/A	33.195083	-96.615250	35.5	35.5	35.9	0.4	35.8	35.9	0.1
NRHP	Goodrich Building Goodyear Tire and Rubber Company Building and B.F. Goodrich Building	H_128_Goodyear	Texas	N/A	32.774778	-96.765917	53.9	54.2	55.2	1.0	54.3	55.3	1.0
NRHP	Goodrich Building	H_129_Goodyear	Texas	N/A	32.774583	-96.766361	53.9	54.2	55.2	1.0	54.4	55.3	0.9
Local Park	Gore Park	4f_714_GorePark	Texas	7.5	32.846160	-96.797430	47.8	47.9	47.5	-0.4	48.3	48.0	-0.3
NRHP	Gouch--Hughston House Grace Methodist Episcopal Church	H_130_GouchHug	Texas	N/A	33.197472	-96.626972	35.8	35.8	35.4	-0.4	36.2	35.8	-0.4
NRHP	Gouch--Hughston House Grace Methodist Episcopal Church	H_131_GraceMet	Texas	N/A	32.793417	-96.775917	54.7	55.0	54.8	-0.2	55.4	55.1	-0.3
Local Park	Graham Park	4f_715_GrahamPa	Texas	22.1	33.153160	-96.117760	42.5	42.5	39.9	-2.6	42.9	40.3	-2.6
NRHP	Graham, Dr. L. H., House Grand Avenue Historic District	H_132_GrahamDr	Texas	N/A	32.396361	-96.853333	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2
Texas Hist. Comm.	Grapevine Commercial Historic District	H_483_GrandAve	Texas	N/A	32.772269	-97.360844	49.5	49.5	49.6	0.1	49.2	49.2	0.0
Texas Hist. Comm.	Grapevine Commercial Historic District	H_489_Grapevin	Texas	N/A	32.936973	-97.078689	50.7	50.8	50.8	0.0	51.2	51.1	-0.1

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			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change
Texas Hist. Comm.	Grapevine Commercial Historic District (Boundary Increase II)	H_491_Grapevin	Texas	N/A	32.936014	-97.078712	50.7	50.8	50.7	-0.1	51.2	51.1	-0.1
Texas Hist. Comm.	Grapevine Commercial Historic District (Boundary Increase)	H_490_Grapevin	Texas	N/A	32.938020	-97.078366	50.8	50.9	50.8	-0.1	51.4	51.2	-0.2
Local Park	Grapevine Recreation Area	Pri24398	Texas	7273.9	33.064173	-97.260486	46.0	46.0	46.5	0.5	46.3	46.7	0.4
Local Park	Grapevine Recreation Area	Pri24640	Texas	7273.9	33.039340	-97.251043	46.2	46.2	46.5	0.3	46.4	46.6	0.2
Local Park	Grapevine Recreation Area	Pri24641	Texas	7273.9	33.047585	-97.250927	46.2	46.2	46.5	0.3	46.4	46.7	0.3
Local Park	Grapevine Recreation Area	Pri24883	Texas	7273.9	33.022751	-97.241488	46.8	46.8	46.8	0.0	47.0	47.0	0.0
Local Park	Grapevine Recreation Area	Pri24885	Texas	7273.9	33.039241	-97.241254	46.5	46.6	46.8	0.2	46.9	47.0	0.1
Local Park	Grapevine Recreation Area	Pri25129	Texas	7273.9	33.030897	-97.231582	47.0	47.1	47.2	0.1	47.3	47.4	0.1
Local Park	Grapevine Recreation Area	Pri25374	Texas	7273.9	33.030797	-97.221794	47.8	47.9	48.0	0.1	48.2	48.2	0.0
Local Park	Grapevine Recreation Area	Pri25375	Texas	7273.9	33.039042	-97.221675	48.0	48.2	48.4	0.2	48.5	48.7	0.2
Local Park	Grapevine Recreation Area	Pri25619	Texas	7273.9	33.030696	-97.212005	48.6	48.8	48.9	0.1	49.1	49.1	0.0
Local Park	Grapevine Recreation Area	Pri25620	Texas	7273.9	33.038941	-97.211885	48.0	48.2	48.3	0.1	48.5	48.6	0.1
Local Park	Grapevine Recreation Area	Pri25621	Texas	7273.9	33.047187	-97.211765	46.8	46.9	47.2	0.3	47.2	47.4	0.2
Local Park	Grapevine Recreation Area	Pri25864	Texas	7273.9	33.030595	-97.202217	48.5	48.7	48.8	0.1	49.0	49.0	0.0
Local Park	Grapevine Recreation Area	Pri25865	Texas	7273.9	33.038840	-97.202096	47.2	47.3	47.5	0.2	47.6	47.8	0.2
Local Park	Grapevine Recreation Area	Pri26108	Texas	7273.9	33.022247	-97.192550	49.1	49.3	49.2	-0.1	49.6	49.6	0.0
Local Park	Grapevine Recreation Area	Pri26352	Texas	7273.9	33.013899	-97.182885	49.9	50.1	50.0	-0.1	50.4	50.3	-0.1
Local Park	Grapevine Recreation Area	Pri26354	Texas	7273.9	33.030389	-97.182640	47.5	47.6	47.7	0.1	47.9	47.9	0.0
Local Park	Grapevine Recreation Area	Pri26356	Texas	7273.9	33.046880	-97.182394	46.1	46.2	46.4	0.2	46.5	46.7	0.2
Local Park	Grapevine Recreation Area	Pri26357	Texas	7273.9	33.055125	-97.182272	45.4	45.6	45.7	0.1	45.8	46.0	0.2
Local Park	Grapevine Recreation Area	Pri26842	Texas	7273.9	33.013690	-97.163312	49.6	49.7	49.6	-0.1	50.0	49.8	-0.2
Local Park	Grapevine Recreation Area	Pri26843	Texas	7273.9	33.021936	-97.163188	48.8	48.9	48.8	-0.1	49.1	49.1	0.0
Local Park	Grapevine Recreation Area	Pri27084	Texas	7273.9	32.988849	-97.153902	49.4	49.6	49.6	0.0	50.0	49.9	-0.1
Local Park	Grapevine Recreation Area	Pri27086	Texas	7273.9	33.005340	-97.153651	50.1	50.2	50.1	-0.1	50.4	50.3	-0.1
Local Park	Grapevine Recreation Area	Pri27331	Texas	7273.9	33.005234	-97.143865	50.3	50.4	50.3	-0.1	50.6	50.5	-0.1

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			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change	
Local Park	Grapevine Recreation Area	Pri27575	Texas	7273.9	32.996882	-97.134207	49.2	49.4	49.3	-0.1	49.6	49.6	0.0	
Local Park	Grapevine Recreation Area	Pri28311	Texas	7273.9	33.004802	-97.104723	52.1	52.3	52.2	-0.1	52.5	52.4	-0.1	
Local Park	Grapevine Recreation Area	4f_716_Grapevin	Texas	7273.9	33.023250	-97.177760	48.3	48.4	48.4	0.0	48.7	48.6	-0.1	
Local Park	Grauwyl Park	4f_717_Grauwyle	Texas	20.1	32.832030	-96.858400	53.7	54.1	54.2	0.1	55.5	55.6	0.1	
Local Park	Green Brook Park	4f_718_GreenBro	Texas	47.4	32.858110	-96.619900	46.8	46.8	45.5	-1.3	47.0	45.6	-1.4	
Local Park	Greenbriar Park	4f_719_Greenbri	Texas	29.1	32.670370	-97.337510	41.8	41.6	43.0	1.4	41.3	42.8	1.5	
Local Park	Greenway Park	4f_720_Greenway	Texas	63.6	32.769190	-97.313260	47.7	47.7	47.6	-0.1	47.7	47.7	0.0	
National Natural Landmark	Greenwood Canyon	NNL_9_Greenw	Texas	220	33.511520	-97.579400	27.3	27.4	28.1	0.7	27.9	29.7	1.8	
	Greer, George C., House Gregory Road Bridge at Duck Creek	H_133_GreerGeo	Texas	N/A	32.806667	-96.765139	50.8	51.0	50.3	-0.7	51.5	50.6	-0.9	
NRHP	Grimes Garage	H_135_GrimesGa	Texas	N/A	32.012306	-97.129917	38.6	38.7	38.8	0.1	39.0	39.1	0.1	
NRHP	Grimes House	H_136_GrimesHo	Texas	N/A	32.012972	-97.114361	38.9	39.0	39.1	0.1	39.4	39.5	0.1	
Local Park	Grimes Park	4f_721_GrimePa	Texas	2.8	32.739520	-96.846200	48.0	48.2	48.2	0.0	48.5	48.4	-0.1	
Local Park	Griggs Park	4f_722_GriggsPa	Texas	8.5	32.797090	-96.794160	57.0	57.4	57.7	0.3	58.6	58.8	0.2	
NRHP	Guinn, James E., School	H_504_GuinnJam	Texas	N/A	32.731601	-97.321489	46.8	46.7	47.0	0.3	46.6	46.9	0.3	
Texas Hist. Comm.	Gulf Oil Distribution Facility Gulf, Colorado and Sante Fe Railroad Passenger Station H & TC Railroad Division Yard	H_398_GulfOilD	Texas	N/A	32.783776	-96.773052	55.1	55.4	56.0	0.6	55.3	55.7	0.4	
	Shop	H_137_GulfColo	Texas	N/A	32.749194	-97.324083	47.3	47.2	46.9	-0.3	47.3	47.0	-0.3	
Local Park	Haggard Park	4f_725_HaggardP	Texas	2.6	33.020360	-96.702300	43.7	43.6	43.7	0.1	43.9	44.1	0.2	
NRHP	Hall Furniture Building	H_138_HallFurn	Texas	N/A	33.644167	-96.609611	36.5	36.6	36.5	-0.1	37.0	36.9	-0.1	
Local Park	Hallmark Park	4f_726_Hallmark	Texas	38.8	32.638170	-97.332430	40.9	40.7	41.7	1.0	40.5	41.7	1.2	
Local Park	Ham Creek Park	4f_727_HamCreek	Texas	67.6	32.173720	-97.484770	24.8	24.5	26.6	2.1	24.5	26.8	2.3	
Local Park	Hamilton Park	4f_728_Hamilton	Texas	22.5	32.915540	-96.764440	45.6	45.7	44.7	-1.0	46.3	45.1	-1.2	

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Local Park	Handley Park	4f_729_HandleyP	Texas	35	32.739780	-97.222560	48.4	48.6	48.7	0.1	48.8	48.8	0.0		
National Wildlife Refuge	Hangerman National Wildlife Refuge	C481810003022165	Texas	11,320	33.725888	-96.741717	37.1	37.1	37.0	-0.1	37.5	37.4	-0.1		
National Wildlife Refuge	Hangerman National Wildlife Refuge	C481810003022104	Texas	11,320	33.751850	-96.754878	36.2	36.3	36.1	-0.2	36.6	36.4	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	C481810003022125	Texas	11,320	33.747708	-96.741911	36.4	36.5	36.4	-0.1	36.9	36.7	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	C481810003042075	Texas	11,320	33.742778	-96.812815	37.6	37.7	37.6	-0.1	38.1	38.0	-0.1		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35015	Texas	11,320	33.735307	-96.826652	38.0	38.1	38.1	0.0	38.5	38.5	0.0		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35016	Texas	11,320	33.74355	-96.826494	38.1	38.1	38.1	0.0	38.6	38.6	0.0		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35256	Texas	11,320	33.702202	-96.817417	37.5	37.5	37.3	-0.2	38.0	37.8	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35260	Texas	11,320	33.735175	-96.816785	37.7	37.8	37.7	-0.1	38.2	38.1	-0.1		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35500	Texas	11,320	33.693826	-96.807713	37.1	37.2	37.0	-0.2	37.7	37.4	-0.3		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35501	Texas	11,320	33.702069	-96.807554	37.1	37.2	37.0	-0.2	37.7	37.5	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35502	Texas	11,320	33.710313	-96.807396	37.1	37.2	37.1	-0.1	37.7	37.5	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35506	Texas	11,320	33.743286	-96.80676	37.4	37.5	37.4	-0.1	37.9	37.8	-0.1		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35507	Texas	11,320	33.75153	-96.8066	37.5	37.5	37.4	-0.1	38.0	37.9	-0.1		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35508	Texas	11,320	33.759773	-96.806441	37.6	37.7	37.6	-0.1	38.1	38.0	-0.1		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35744	Texas	11,320	33.685449	-96.798011	37.0	37.1	36.9	-0.2	37.5	37.2	-0.3		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35745	Texas	11,320	33.693693	-96.797851	36.9	37.0	36.8	-0.2	37.4	37.1	-0.3		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35746	Texas	11,320	33.701936	-96.797692	36.9	37.0	36.8	-0.2	37.4	37.2	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35747	Texas	11,320	33.710179	-96.797532	36.9	37.0	36.8	-0.2	37.4	37.2	-0.2		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35748	Texas	11,320	33.718423	-96.797372	36.9	37.0	36.8	-0.2	37.5	37.2	-0.3		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35751	Texas	11,320	33.743153	-96.796892	37.1	37.1	37.0	-0.1	37.6	37.4	-0.2		

**Environmental Assessment for North Texas Optimization of Airspace and Procedures in the Metroplex**

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Type of Resource	Site Name	Grid Point Location ID	Location		Area (Acres)	Latitude	Longitude	2011		2014		2019	
			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35752	Texas	11,320	33.751396	-96.796732	37.1	37.2	37.0	-0.2	37.6	37.5	-0.1
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35753	Texas	11,320	33.75964	-96.796572	37.2	37.3	37.2	-0.1	37.7	37.5	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35754	Texas	11,320	33.767883	-96.796412	37.3	37.3	37.2	-0.1	37.8	37.7	-0.1
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35991	Texas	11,320	33.701802	-96.787829	36.8	36.8	36.7	-0.1	37.2	37.0	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35992	Texas	11,320	33.710045	-96.787668	36.7	36.8	36.6	-0.2	37.2	36.9	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35993	Texas	11,320	33.718289	-96.787507	36.7	36.8	36.6	-0.2	37.2	36.9	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35994	Texas	11,320	33.726532	-96.787346	36.7	36.7	36.6	-0.1	37.2	36.9	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35995	Texas	11,320	33.734776	-96.787186	36.7	36.8	36.6	-0.2	37.2	37.0	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35996	Texas	11,320	33.743019	-96.787025	36.8	36.8	36.6	-0.2	37.3	37.0	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35997	Texas	11,320	33.751262	-96.786864	36.8	36.9	36.7	-0.2	37.3	37.1	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35998	Texas	11,320	33.759505	-96.786703	36.8	36.9	36.8	-0.1	37.3	37.1	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri35999	Texas	11,320	33.767749	-96.786542	36.9	37.0	36.8	-0.2	37.4	37.2	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36238	Texas	11,320	33.718154	-96.777643	36.6	36.6	36.4	-0.2	37.0	36.8	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36239	Texas	11,320	33.726397	-96.777481	36.5	36.6	36.4	-0.2	37.0	36.8	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36240	Texas	11,320	33.734641	-96.777319	36.5	36.6	36.4	-0.2	37.0	36.7	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36241	Texas	11,320	33.742884	-96.777157	36.5	36.6	36.4	-0.2	37.0	36.7	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36242	Texas	11,320	33.751127	-96.776996	36.5	36.6	36.4	-0.2	37.0	36.7	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36243	Texas	11,320	33.759371	-96.776834	36.5	36.6	36.4	-0.2	37.0	36.8	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36244	Texas	11,320	33.767614	-96.776672	36.6	36.7	36.5	-0.2	37.1	36.8	-0.3
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36484	Texas	11,320	33.726262	-96.767616	36.4	36.5	36.3	-0.2	36.9	36.7	-0.2
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36485	Texas	11,320	33.734505	-96.767453	36.3	36.4	36.3	-0.1	36.9	36.6	-0.3



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			State	Area (Acres)	Latitude	Longitude	E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change	N.A.	P.A.	Change		
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36486	Texas	11,320	33.742749	-96.76729	36.3	36.4	36.2	-0.2	36.8	36.6	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36487	Texas	11,320	33.750992	-96.767127	36.3	36.4	36.2	-0.2	36.7	36.5	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36488	Texas	11,320	33.759235	-96.766964	36.3	36.4	36.2	-0.2	36.7	36.5	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36729	Texas	11,320	33.726126	-96.75775	36.6	36.6	36.5	-0.1	37.0	36.8	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36730	Texas	11,320	33.734369	-96.757586	36.4	36.5	36.3	-0.2	36.9	36.7	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36731	Texas	11,320	33.742612	-96.757423	36.3	36.4	36.2	-0.2	36.7	36.5	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36733	Texas	11,320	33.759099	-96.757095	36.1	36.2	36.0	-0.2	36.6	36.3	-0.3					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36973	Texas	11,320	33.717745	-96.748049	37.1	37.2	37.1	-0.1	37.5	37.4	-0.1					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36974	Texas	11,320	33.725988	-96.747885	36.8	36.9	36.8	-0.1	37.3	37.1	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36975	Texas	11,320	33.734232	-96.74772	36.6	36.6	36.5	-0.1	37.1	36.9	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri36976	Texas	11,320	33.742475	-96.747556	36.4	36.5	36.3	-0.2	36.9	36.7	-0.2					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri37218	Texas	11,320	33.717607	-96.738185	37.6	37.7	37.6	-0.1	38.0	37.9	-0.1					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri37221	Texas	11,320	33.742337	-96.737688	36.7	36.8	36.6	-0.2	37.1	37.0	-0.1					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri37466	Texas	11,320	33.742198	-96.727821	37.1	37.2	37.2	0.0	37.6	37.5	-0.1					
National Wildlife Refuge	Hangerman National Wildlife Refuge	Pri37711	Texas	11,320	33.742059	-96.717954	37.8	37.9	37.8	-0.1	38.2	38.1	-0.1					
NRHP	Harlan Building	H_139_HarlanBu	Texas	N/A	32.778300	-96.790200	54.0	54.3	54.4	0.1	55.1	55.1	0.0					
Local Park	Harmon Field Park	4f_730_HarmonFi	Texas	72	32.755590	-97.314230	47.4	47.4	47.1	-0.3	47.5	47.2	-0.3					
Local Park	Harrington Park	4f_731_Harringt	Texas	14.3	33.023750	-96.712060	43.9	43.8	44.0	0.2	44.2	44.8	0.6					
Local Park	Harrington Park	4f_732_Harringt	Texas	20.5	32.625410	-96.893710	40.9	41.1	41.6	0.5	41.7	42.2	0.5					
Local Park	Harry Stone Park	4f_733_HarrySto	Texas	15.9	32.827000	-96.673120	47.8	47.9	47.0	-0.9	48.4	47.6	-0.8					
NRHP	Hart, Meredith, House	H_140_HartMere	Texas	N/A	32.239056	-97.357917	30.0	29.2	30.3	1.1	28.7	29.9	1.2					
Local Park	Hartwood Park	4f_734_Hartwood	Texas	45.9	32.704670	-97.384350	43.8	43.6	45.3	1.7	43.6	45.3	1.7					
NRHP	Hawkes, Z. T. (Tip), House	H_141_HawkesZT	Texas	N/A	32.591389	-96.959472	42.1	42.3	42.7	0.4	42.8	43.2	0.4					

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		Grid Point Location ID	State				E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Heard Park	4f_735_HeardPar	Texas	4.8	32.654690	-96.536930	34.8	34.8	39.1	4.3	35.1	39.9	4.8
NRHP	Heard--Craig House	H_142_HeardCra	Texas	N/A	33.198889	-96.616861	35.8	35.9	35.9	0.0	36.2	36.0	-0.2
Local Park	Heights Park	4f_736_HeightsP	Texas	33.6	32.960780	-96.745320	47.6	47.6	47.2	-0.4	47.0	46.5	-0.5
Local Park	Helen Wessler Park	4f_737_HelenWes	Texas	14.5	32.727000	-97.070230	51.2	51.4	51.3	-0.1	51.7	51.6	-0.1
Texas Hist. Comm.	Henderson Street Bridge	H_391_Henderso	Texas	N/A	32.758718	-97.341156	48.0	48.1	47.9	-0.2	47.9	47.8	-0.1
Texas Hist. Comm.	Henderson Street Bridge	H_392_Henderso	Texas	N/A	32.760294	-97.343080	48.3	48.4	48.2	-0.2	48.2	48.0	-0.2
Local Park	Heritage Park	4f_738_Heritage	Texas	3.3	33.018930	-96.730920	44.4	44.3	44.5	0.2	44.8	45.6	0.8
Texas Hist. Comm.	Heritage Park Plaza	H_397_Heritage	Texas	N/A	32.760065	-97.334630	47.4	47.4	47.2	-0.2	47.5	47.3	-0.2
Local Park	Herndon Park	4f_739_HerndonP	Texas	9.5	32.724360	-96.818760	47.3	47.5	47.2	-0.3	47.6	47.2	-0.4
Local Park	Hickory Creek Park	Pri29548	Texas	485.9	33.103186	-97.054180	47.0	47.2	47.2	0.0	47.6	47.5	-0.1
Local Park	Hickory Creek Park	Pri29793	Texas	485.9	33.103073	-97.044384	46.9	47.1	47.0	-0.1	47.4	47.2	-0.2
Local Park	Hickory Creek Park	4f_740_HickoryC	Texas	485.9	33.110060	-97.046110	46.5	46.7	46.6	-0.1	47.0	46.8	-0.2
Local Park	High View Park	4f_741_HighView	Texas	159.9	32.268100	-96.665440	25.7	25.7	26.2	0.5	26.1	26.6	0.5
Local Park	Highland Hills Park	4f_742_Highland	Texas	28.8	32.661700	-97.300230	42.5	42.1	42.8	0.7	41.9	42.6	0.7
Local Park	Highland Hills Park	4f_743_Highland	Texas	21.4	32.659550	-96.754120	42.7	42.9	43.6	0.7	43.2	44.0	0.8
Local Park	Highland Park	4f_744_Highland	Texas	129.1	33.103180	-96.541830	38.5	38.1	40.3	2.2	38.4	40.8	2.4
Texas Hist. Comm.	Highland Park Shopping Village	H_494_Highland	Texas	10	32.835671	-96.805618	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5
National Historic Landmark	Highland Park Shopping Village	NNL_4_Highla	Texas	10	32.835738	-96.805609	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5
Local Park	Highport Resort Park	4f_745_Highport	Texas	171.8	33.829040	-96.703610	35.4	35.5	35.4	-0.1	35.9	35.7	-0.2
NRHP	Highway Garage	H_143_HighwayG	Texas	N/A	32.386300	-96.849000	38.6	38.7	38.7	0.0	39.4	39.4	0.0
NRHP	Hill County Courthouse	H_145_HillCoun	Texas	N/A	32.011306	-97.130889	38.5	38.6	38.7	0.1	38.9	39.0	0.1
NRHP	Hill County Jail	H_146_HillCoun	Texas	N/A	32.014278	-97.129667	38.6	38.7	38.8	0.1	39.0	39.1	0.1
NRHP	Hill, Ben, House	H_147_HillBenH	Texas	N/A	33.202361	-96.628556	36.2	36.3	35.6	-0.7	36.7	36.0	-0.7
NRHP	Hill, John B., House	H_148_HillJohn	Texas	N/A	33.202944	-96.621250	36.1	36.1	35.6	-0.5	36.5	35.9	-0.6
NRHP	Hill, Moran, House	H_149_HillMora	Texas	N/A	33.198361	-96.626944	35.8	35.9	35.4	-0.5	36.2	35.8	-0.4
NRHP	Hill, W. R., House	H_150_HillWRHo	Texas	N/A	33.202583	-96.621250	36.1	36.1	35.6	-0.5	36.4	35.9	-0.5

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
Local Park	Hillcrest Park	4f_746_Hillcres	Texas	23.1	32.777210	-96.615520	45.8	45.9	45.9	0.0	46.4	46.4	0.0			
NRHP Texas Hist. Comm.	Hillsboro Cotton Mills	H_151_Hillsbor	Texas	N/A	32.012917	-97.135111	38.4	38.5	38.6	0.1	38.8	38.9	0.1			
	Hillsboro Residential Historic District	H_503_Hillsbor	Texas	N/A	32.012839	-97.121295	38.7	38.8	38.9	0.1	39.2	39.4	0.2			
Local Park	Hillside Park	4f_747_Hillside	Texas	8.9	33.099590	-96.647690	39.3	38.6	41.3	2.7	39.1	41.8	2.7			
Local Park	Hillside Park	4f_748_Hillside	Texas	19.6	32.728470	-97.312240	46.5	46.4	46.8	0.4	46.4	46.8	0.4			
Local Park	Hillview Park	4f_749_Hillview	Texas	16.4	32.810560	-96.675710	47.3	47.4	47.2	-0.2	47.8	47.9	0.1			
NRHP	Hill-Webb Grain Elevator	H_144_HillWebb	Texas	N/A	33.196583	-96.609833	35.7	35.8	36.9	1.1	36.0	36.3	0.3			
NRHP	Hilton Hotel	H_152_HiltonHo	Texas	N/A	32.781944	-96.794361	54.2	54.5	54.6	0.1	55.5	55.4	-0.1			
NRHP	Hines, E. M., House	H_153_HinesEMH	Texas	N/A	32.385444	-96.843389	38.3	38.4	38.4	0.0	39.1	39.1	0.0			
Local Park	Hodge Park	4f_750_HodgePar	Texas	18.5	32.745750	-96.599630	44.5	44.5	45.1	0.6	45.0	45.8	0.8			
NRHP	Hogg, Alexander, School	H_154_HoggAlex	Texas	N/A	32.737000	-97.329000	47.3	47.2	47.2	0.0	47.1	46.9	-0.2			
Local Park	Holcomb Park	4f_751_HolcombP	Texas	12.3	32.730280	-96.671740	44.4	44.4	45.5	1.1	44.8	46.0	1.2			
Local Park	Holford Park	4f_752_HolfordP	Texas	32.2	32.937610	-96.662620	44.7	44.7	44.0	-0.7	45.0	44.3	-0.7			
Local Park	Holiday Park	Pri18709	Texas	678.5	32.620937	-97.490793	34.1	34.1	36.6	2.5	34.2	36.9	2.7			
Local Park	Holiday Park	Pri19201	Texas	678.5	32.637269	-97.471115	37.2	37.2	38.9	1.7	37.3	39.2	1.9			
Local Park Texas Hist. Comm.	Holiday Park Hood County Courthouse	4f_753_HolidayP	Texas	678.5	32.645400	-97.475330	37.7	37.8	40.0	2.2	37.9	40.3	2.4			
	Historic District	H_472_HoodCoun	Texas	N/A	32.442715	-97.787005	28.7	28.9	26.5	-2.4	29.1	26.7	-2.4			
Local Park	Horseshoe Park	4f_754_Horsesho	Texas	9.4	33.050940	-96.743270	44.4	44.1	44.5	0.4	44.6	44.8	0.2			
NRHP	Hotel Adolphus	H_155_HotelAdo	Texas	N/A	32.779944	-96.799417	53.3	53.6	53.4	-0.2	54.6	54.2	-0.4			
NRHP	Hotel Texas	H_156_HotelTex	Texas	N/A	32.752611	-97.329361	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4			
NRHP	House at 104 Kaufman	H_157_Houseat1	Texas	N/A	32.384917	-96.844250	38.3	38.5	38.5	0.0	39.1	39.2	0.1			
NRHP	House at 106 East Denton	H_158_Houseat1	Texas	N/A	32.332722	-96.628583	30.0	30.0	28.3	-1.7	30.2	28.4	-1.8			
NRHP	House at 106 Kaufman	H_159_Houseat1	Texas	N/A	32.385083	-96.843806	38.2	38.4	38.4	0.0	39.1	39.1	0.0			
NRHP	House at 111 Brown	H_160_Houseat1	Texas	N/A	32.393389	-96.843833	38.3	38.5	38.3	-0.2	39.2	39.1	-0.1			
NRHP	House at 111 Williams	H_161_Houseat1	Texas	N/A	32.388667	-96.841806	38.1	38.3	38.2	-0.1	39.0	39.0	0.0			
NRHP	House at 113 East Ross	H_162_Houseat1	Texas	N/A	32.395861	-96.840778	38.1	38.3	38.1	-0.2	39.0	38.9	-0.1			
NRHP	House at 1301 East Marvin	H_163_Houseat1	Texas	N/A	31.937722	-96.841222	32.8	32.8	32.9	0.1	33.7	33.8	0.1			

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
NRHP	House at 1303 W. Louisiana	H_164_Houseat1	Texas	N/A	33.196750	-96.627861	35.8	35.8	35.4	-0.4	36.2	35.8	-0.4			
NRHP	House at 1423 Sycamore	H_165_Houseat1	Texas	N/A	32.404278	-96.857611	39.3	39.5	39.1	-0.4	40.3	39.9	-0.4			
NRHP	House at 201 N. Graves	H_166_Houseat2	Texas	N/A	33.198778	-96.629944	36.1	36.2	35.6	-0.6	36.5	36.0	-0.5			
NRHP	House at 301 E. Lamar	H_167_Houseat3	Texas	N/A	33.200722	-96.617667	36.1	36.1	35.9	-0.2	36.4	36.0	-0.4			
NRHP	House at 301 Turner	H_168_Houseat3	Texas	N/A	32.380778	-96.854750	38.8	39.0	39.0	0.0	39.7	39.7	0.0			
NRHP	House at 320 East Marvin	H_169_Houseat3	Texas	N/A	32.390639	-96.840500	38.1	38.2	38.2	0.0	38.9	38.9	0.0			
NRHP	House at 404 East Crockett	H_170_Houseat4	Texas	N/A	32.328472	-96.623806	30.0	30.1	28.4	-1.7	30.3	28.6	-1.7			
NRHP	House at 418 North College	H_171_Houseat4	Texas	N/A	32.390167	-96.844528	38.3	38.5	38.4	-0.1	39.2	39.2	0.0			
NRHP	House at 500 North Main, East	H_172_Houseat5	Texas	N/A	32.331806	-96.628611	30.0	30.1	28.4	-1.7	30.3	28.5	-1.8			
NRHP	House at 501 North Grand	H_173_Houseat5	Texas	N/A	32.402667	-96.858917	39.3	39.5	39.1	-0.4	40.4	40.0	-0.4			
NRHP	House at 508 North Dallas	H_174_Houseat5	Texas	N/A	32.331111	-96.630306	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7			
NRHP	House at 509 West Brown	H_175_Houseat5	Texas	N/A	32.324639	-96.631111	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5			
NRHP	House at 512 North Grand	H_176_Houseat5	Texas	N/A	32.401056	-96.859167	39.3	39.5	39.2	-0.3	40.4	40.0	-0.4			
NRHP	House at 523 Highland	H_177_Houseat5	Texas	N/A	32.401389	-96.857250	39.2	39.5	39.1	-0.4	40.3	39.9	-0.4			
NRHP	House at 610 Tucker	H_178_Houseat6	Texas	N/A	33.202889	-96.627472	36.2	36.3	35.6	-0.7	36.6	36.0	-0.6			
NRHP	House at 625 Cantrell	H_179_Houseat6	Texas	N/A	32.381139	-96.854306	38.8	39.0	39.0	0.0	39.6	39.7	0.1			
NRHP	House at 700 South Rogers	H_180_Houseat7	Texas	N/A	32.379333	-96.854361	38.8	39.0	39.0	0.0	39.7	39.7	0.0			
NRHP	House at 703 South College	H_181_Houseat7	Texas	N/A	32.378222	-96.853750	38.8	38.9	39.0	0.1	39.7	39.7	0.0			
NRHP	House at 704 Parker	H_182_Houseat7	Texas	N/A	33.192694	-96.622389	35.4	35.4	35.5	0.1	35.8	35.8	0.0			
NRHP	House at 708 East Brown	H_183_Houseat7	Texas	N/A	32.330750	-96.619694	29.6	29.7	28.0	-1.7	29.8	28.2	-1.6			
NRHP	House at 712 East Marvin	H_184_Houseat7	Texas	N/A	32.388361	-96.835028	37.7	37.9	37.8	-0.1	38.5	38.6	0.1			
NRHP	House at 722 West Madison	H_185_Houseat7	Texas	N/A	32.316667	-96.628778	29.9	30.0	29.0	-1.0	30.1	29.2	-0.9			
NRHP	House at 802 East Ennis	H_186_Houseat8	Texas	N/A	32.331667	-96.620306	29.6	29.7	28.0	-1.7	29.8	28.1	-1.7			
NRHP	House at 803 Cantrell	H_187_Houseat8	Texas	N/A	32.381167	-96.856667	38.9	39.1	39.1	0.0	39.8	39.8	0.0			
NRHP	House at 806 South Dallas	H_188_Houseat8	Texas	N/A	32.321417	-96.622278	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6			
NRHP	House at 807 North Preston	H_189_Houseat8	Texas	N/A	32.332833	-96.635361	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7			
NRHP	House at 810 North Preston	H_190_Houseat8	Texas	N/A	32.332472	-96.634944	30.1	30.2	28.6	-1.6	30.4	28.7	-1.7			

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
NRHP	House at 816 Cantrell	H_191_Houseat8	Texas	N/A	32.382028	-96.854722	38.8	39.0	39.0	0.0	39.7	39.7	0.0			
NRHP	House at 816 West Water	H_192_Houseat8	Texas	N/A	31.940833	-96.864833	33.4	33.4	33.6	0.2	34.5	34.6	0.1			
NRHP	House at 901 Cantrell	H_193_Houseat9	Texas	N/A	32.380528	-96.861139	39.1	39.3	39.3	0.0	40.0	40.0	0.0			
NRHP Texas Hist. Comm.	Houses at 406 and 408 Heard	H_194_Housesat	Texas	N/A	33.204694	-96.618417	36.4	36.4	35.8	-0.6	36.7	36.0	-0.7			
Local Park	Houston Street Viaduct	H_495_HoustonS	Texas	N/A	32.768683	-96.809696	51.2	51.4	51.2	-0.2	52.0	51.8	-0.2			
Local Park	Huffhines Park	4f_755_Huffhine	Texas	50.3	32.950260	-96.697650	44.9	45.0	44.5	-0.5	45.1	44.6	-0.5			
Local Park Texas Hist. Comm.	Hulen City Park Humphries, William H. and Molly P., House	4f_756_HulenCit	Texas	27.8	32.338390	-97.387370	30.9	30.3	32.0	1.7	30.3	32.3	2.0			
NRHP	Hunt County Courthouse	H_195_HuntCoun	Texas	N/A	33.139389	-96.106389	42.3	42.3	40.1	-2.2	42.7	40.5	-2.2			
NRHP	Hutcheson-Smith House	H_196_Hutcheso	Texas	N/A	32.740278	-97.109528	50.8	51.0	50.9	-0.1	51.3	51.2	-0.1			
NRHP	Hyer Hall Interstate Forwarding Company Warehouse	H_197_HyerHall	Texas	N/A	32.844833	-96.784056	47.3	47.3	46.8	-0.5	47.7	47.2	-0.5			
NRHP	Jamestown Park	4f_757_Jamestow	Texas	20.9	32.919450	-96.808690	47.9	47.9	47.9	0.0	48.1	49.0	0.9			
Local Park	Jaunita Craft Park	4f_758_JaunitaC	Texas	20.9	32.772980	-96.740840	50.7	50.9	51.2	0.3	51.1	51.9	0.8			
Local Park	Jaycee Park	4f_759_JayceePa	Texas	16.5	32.780110	-96.907460	51.3	51.4	51.4	0.0	51.7	51.7	0.0			
Local Park	Jaycee Park	4f_760_JayceePa	Texas	4.5	32.835970	-96.972290	47.0	46.8	46.6	-0.2	47.0	46.7	-0.3			
Local Park	Jaycee Park	4f_761_JayceePa	Texas	30.7	32.341640	-96.646510	30.0	30.1	28.4	-1.7	30.3	28.6	-1.7			
Local Park	Jaycees Park	4f_762_JayceesP	Texas	3.3	32.816620	-97.203520	47.4	47.5	47.5	0.0	47.7	47.7	0.0			
Local Park	Jester Park	4f_763_JesterPa	Texas	17	32.096020	-96.474970	24.0	24.0	24.4	0.4	24.3	24.7	0.4			
Local Park	John T Audobon Park	4f_764_JohnTAud	Texas	61.6	32.847840	-96.613880	46.4	46.3	45.6	-0.7	46.6	45.8	-0.8			
NRHP	Johnson County Courthouse	H_200_JohnsonC	Texas	N/A	32.347194	-97.386139	31.4	30.9	31.5	0.6	31.0	31.7	0.7			
NRHP	Johnson Farm	H_201_JohnsonF	Texas	N/A	33.417778	-97.048306	40.6	40.5	40.7	0.2	40.6	41.0	0.4			
NRHP	Johnson, John, House	H_202_JohnsonJ	Texas	N/A	33.193778	-96.613139	35.4	35.4	36.0	0.6	35.7	36.0	0.3			
NRHP	Johnson, Thomas, House	H_203_JohnsonT	Texas	N/A	33.194722	-96.615250	35.5	35.5	35.9	0.4	35.8	35.9	0.1			
NRHP	Johnson-Elliott House	H_199_JohnsonE	Texas	N/A	32.725500	-97.332000	46.9	46.9	47.4	0.5	46.4	46.9	0.5			
NRHP	Joiner-Long House	H_204_JoinerLo	Texas	N/A	32.339700	-97.391300	31.0	30.5	31.8	1.3	30.4	32.1	1.7			

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
NRHP	Jolesch House	H_205_JoleschH	Texas	N/A	32.326833	-96.632139	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
NRHP	Jones Farm	H_206_JonesFar	Texas	N/A	33.414917	-97.044194	40.4	40.3	40.6	0.3	40.5	40.9	0.4
Local Park	Jones Park	4f_765_JonesPar	Texas	22.7	33.152060	-96.110480	42.6	42.5	39.9	-2.6	42.9	40.3	-2.6
NRHP	Joshua Chapel A.M.E. Church	H_207_JoshuaCh	Texas	N/A	32.381167	-96.846028	38.4	38.5	38.6	0.1	39.2	39.3	0.1
Local Park	Juniper Cove Park	4f_766_JuniperC	Texas	106.4	31.979700	-97.370450	30.7	30.2	31.7	1.5	29.8	31.5	1.7
Local Park	Juniper Point Park	Pri34785	Texas	146.4	33.859086	-96.834171	37.6	37.6	37.7	0.1	38.0	38.1	0.1
Local Park	Juniper Point Park	4f_767_JuniperP	Texas	146.4	33.858880	-96.832900	37.7	37.7	37.7	0.0	38.1	38.1	0.0
Local Park	Jupiter Park	4f_768_JupiterP	Texas	5.9	33.094460	-96.662460	39.9	39.2	41.7	2.5	39.6	42.1	2.5
Local Park	Justin Park	4f_769_JustinPa	Texas	3.1	33.089850	-97.303390	46.1	45.3	45.7	0.4	45.0	45.5	0.5
Local Park	Kachine Prairie Park	4f_770_KachineP	Texas	25.4	32.331890	-96.655840	29.8	29.8	29.1	-0.7	30.0	29.3	-0.7
NRHP	Katy Depot	H_208_KatyDepo	Texas	N/A	33.140417	-96.112361	42.4	42.5	40.0	-2.5	42.8	40.5	-2.3
Local Park	Kellis Park	4f_771_KellisPa	Texas	15.3	32.680810	-97.370220	42.4	42.2	44.0	1.8	42.0	43.9	1.9
Local Park	Kelly Park	4f_772_KellyPar	Texas	100.9	32.764800	-97.378370	46.2	46.2	46.1	-0.1	46.4	46.3	-0.1
Texas Hist. Comm.	Kessler Park Historic District	H_465_KesslerP	Texas	N/A	32.758267	-96.844486	50.2	50.3	50.2	-0.1	50.6	50.5	-0.1
Texas Hist. Comm.	Kessler Park Historic District (Boundary Increase)	H_464_KesslerP	Texas	N/A	32.758406	-96.837401	50.0	50.1	50.0	-0.1	50.5	50.3	-0.2
Local Park	Kid Springs Park	4f_773_KidSprin	Texas	25.3	32.753590	-96.834920	49.5	49.7	49.5	-0.2	50.1	49.8	-0.3
Local Park	Kiest Park	4f_774_KiestPar	Texas	179.9	32.710030	-96.852730	45.8	46.0	45.5	-0.5	46.4	45.8	-0.6
Local Park	Kimball Bend Park	4f_775_KimballB	Texas	61.4	32.121500	-97.495210	24.2	24.0	25.8	1.8	24.0	25.9	1.9
NRHP	King, Mrs. J. C., House	H_209_KingMrsJ	Texas	N/A	33.196556	-96.608111	35.9	36.0	37.2	1.2	36.2	36.4	0.2
Texas Hist. Comm.	King's Highway Historic District	H_434_KingsHig	Texas	N/A	32.752256	-96.842629	49.5	49.7	49.7	0.0	50.0	49.9	-0.1
Local Park	Kingsley Park	4f_776_Kingsley	Texas	12.6	32.880650	-96.654580	46.6	46.6	45.1	-1.5	46.9	45.6	-1.3
Local Park	Kiowa Park	4f_777_KiowaPar	Texas	5.9	32.961900	-96.795060	49.3	49.4	49.1	-0.3	49.2	48.8	-0.4
Local Park	Kirby Creek Park	4f_778_KirbyCre	Texas	37.8	32.691550	-97.006790	47.9	48.0	47.8	-0.2	48.5	48.2	-0.3
NRHP	Kirkpatrick, E. W., House and Barn	H_210_Kirkpatr	Texas	N/A	33.189444	-96.622472	35.2	35.3	35.5	0.2	35.6	35.8	0.2
NRHP	Kirven, J. D., House	H_211_KirvenJD	Texas	N/A	32.400472	-96.846833	38.5	38.8	38.4	-0.4	39.5	39.3	-0.2
Local Park	Kiwanis Park	4f_779_KiwanisP	Texas	37.3	32.339890	-96.642560	30.0	30.1	28.3	-1.8	30.3	28.5	-1.8

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			State						E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change		
NRHP	Knights of Pythias Building	H_212_Knightso	Texas	N/A		32.755361	-97.331444	47.3	47.4	47.1	-0.3	47.4	47.2	-0.2			
NRHP	Koger, William, House	H_213_KogerWil	Texas	N/A		32.387556	-96.839917	38.0	38.2	38.2	0.0	38.8	38.9	0.1			
Texas Hist. Comm.	Kohl, Ernst Martin, Building	H_214_KohlErns	Texas	N/A		33.755000	-96.531833	36.2	36.3	36.2	-0.1	36.7	36.6	-0.1			
	Kress Building	H_415_KressBui	Texas	N/A		32.753590	-97.331271	47.4	47.4	47.0	-0.4	47.4	47.1	-0.3			
Local Park	Lagow Park	4f_780_LagowPar	Texas	3.2		32.763930	-96.749770	51.4	51.7	53.0	1.3	52.1	53.1	1.0			
State Park	Lake Arrowhead State Park	4F_7_13_LakeAr	Texas	2395.1		33.757860	-98.390810	24.6	25.0	26.8	1.8	25.5	27.8	2.3			
State Park	Lake Arrowhead State Park	Sec4192	Texas	540.4		33.754642	-98.395681	24.8	25.1	26.9	1.8	25.6	27.9	2.3			
Local Park Texas Hist. Comm.	Lake Clark Park	4f_781_LakeClar	Texas	31.9		32.322540	-96.658470	28.7	28.8	29.1	0.3	29.0	29.3	0.3			
	Lake Cliff Historic District	H_461_LakeClif	Texas	N/A		32.756666	-96.818811	49.7	49.9	49.8	-0.1	50.3	50.2	-0.1			
Local Park	Lake Cliff Park	4f_782_LakeClif	Texas	51.8		32.757030	-96.818780	49.7	49.9	49.8	-0.1	50.4	50.2	-0.2			
Local Park	Lake Como Park	4f_783_LakeComo	Texas	119.2		32.726280	-97.397890	45.7	45.6	46.1	0.5	45.4	46.0	0.6			
Local Park	Lake Halbert Park	Pri45839	Texas	144.3		32.071535	-96.421918	24.3	24.3	24.2	-0.1	24.6	24.6	0.0			
Local Park State Recreational Area	Lake Lewisville State Recreation Area	4F_33_14_LakeLe	Texas	697.3		33.129260	-96.942880		43.4	43.6	43.3	-0.3	43.8	43.5	-0.3		
State Park	Lake Mineral Wells State Park	Pri5012	Texas	2824		32.813836	-98.035470	39.0	39.1	40.8	1.7	39.3	41.0	1.7			
State Park	Lake Mineral Wells State Park	Pri5013	Texas	2824		32.822082	-98.035427	39.0	39.1	40.9	1.8	39.4	41.3	1.9			
State Park	Lake Mineral Wells State Park	Pri5014	Texas	2824		32.830328	-98.035384	39.2	39.3	41.2	1.9	39.6	41.5	1.9			
State Park	Lake Mineral Wells State Park	Pri5015	Texas	2824		32.838574	-98.035340	39.6	39.6	41.3	1.7	39.9	41.6	1.7			
State Park	Lake Mineral Wells State Park	Pri5258	Texas	2824		32.822045	-98.025661	39.1	39.1	41.2	2.1	39.4	41.4	2.0			
State Park	Lake Mineral Wells State Park	Pri5261	Texas	2824		32.846783	-98.025528	40.0	40.0	41.4	1.4	40.4	41.7	1.3			
State Park	Lake Mineral Wells State Park	Pri5262	Texas	2824		32.855029	-98.025484	40.3	40.4	41.2	0.8	40.7	41.6	0.9			
State Park	Lake Mineral Wells State Park	Pri5263	Texas	2824		32.863275	-98.025440	40.6	40.7	40.9	0.2	41.0	41.2	0.2			
State Park	Lake Mineral Wells State Park	Pri5264	Texas	2824		32.871521	-98.025396	40.8	40.8	40.6	-0.2	41.2	40.9	-0.3			
State Park	Lake Mineral Wells State Park	Pri5265	Texas	2824		32.879767	-98.025352	40.9	40.9	40.3	-0.6	41.3	40.6	-0.7			
State Park	Lake Mineral Wells State Park	Pri5508	Texas	2824		32.863238	-98.015669	40.7	40.8	40.9	0.1	41.1	41.2	0.1			
State Park	Lake Mineral Wells State Park	Pri5509	Texas	2824		32.871484	-98.015624	40.9	40.9	40.5	-0.4	41.3	40.9	-0.4			

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			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change
State Park	Lake Mineral Wells State Park	Pri5510	Texas	2824	32.879730	-98.015579	40.9	40.9	40.3	-0.6	41.3	40.6	-0.7
State Park	Lake Mineral Wells State Park	4F_23_15_LakeMi	Texas Oklahoma	2824	32.845920	-98.028830	39.9	40.0	41.4	1.4	40.3	41.7	1.4
State Park	Lake Murray State Park	4F_1_16_LakeMu	Oklahoma	18250.1	34.082470	-97.076140	34.9	35.0	35.1	0.1	35.1	35.2	0.1
State Park	Lake Murray State Park	Sec16172	Oklahoma	18250.1	34.076758	-97.107430	34.7	34.7	34.9	0.2	34.9	35.0	0.1
State Park	Lake Murray State Park	Sec16173	Oklahoma	18250.1	34.093243	-97.107168	34.5	34.5	34.7	0.2	34.6	34.8	0.2
State Park	Lake Murray State Park	Sec16174	Oklahoma	18250.1	34.109728	-97.106905	34.3	34.3	34.5	0.2	34.5	34.6	0.1
State Park	Lake Murray State Park	Sec16175	Oklahoma	18250.1	34.126213	-97.106642	34.1	34.1	34.3	0.2	34.3	34.4	0.1
State Park	Lake Murray State Park	Sec16354	Oklahoma	18250.1	34.043568	-97.088152	35.3	35.3	35.4	0.1	35.4	35.5	0.1
State Park	Lake Murray State Park	Sec16355	Oklahoma	18250.1	34.060053	-97.087886	35.0	35.0	35.2	0.2	35.2	35.3	0.1
State Park	Lake Murray State Park	Sec16356	Oklahoma	18250.1	34.076538	-97.087620	34.8	34.8	35.0	0.2	34.9	35.1	0.2
State Park	Lake Murray State Park	Sec16357	Oklahoma	18250.1	34.093023	-97.087353	34.5	34.5	34.7	0.2	34.7	34.8	0.1
State Park	Lake Murray State Park	Sec16358	Oklahoma	18250.1	34.109508	-97.087087	34.3	34.3	34.5	0.2	34.5	34.6	0.1
State Park	Lake Murray State Park	Sec16537	Oklahoma	18250.1	34.026860	-97.068619	36.0	36.0	36.2	0.2	36.2	36.3	0.1
State Park	Lake Murray State Park	Sec16538	Oklahoma	18250.1	34.043345	-97.068349	35.8	35.8	35.9	0.1	35.9	36.1	0.2
State Park	Lake Murray State Park	Sec16539	Oklahoma	18250.1	34.059830	-97.068079	35.5	35.5	35.6	0.1	35.7	35.8	0.1
State Park	Lake Murray State Park	Sec16540	Oklahoma	18250.1	34.076315	-97.067809	35.3	35.3	35.4	0.1	35.5	35.6	0.1
State Park	Lake Murray State Park	Sec16541	Oklahoma	18250.1	34.092800	-97.067539	35.0	35.1	35.2	0.1	35.2	35.4	0.2
State Park	Lake Murray State Park	Sec16542	Oklahoma	18250.1	34.109285	-97.067268	34.8	34.8	35.0	0.2	35.0	35.2	0.2
State Park	Lake Murray State Park	Sec16721	Oklahoma	18250.1	34.026633	-97.048819	36.7	36.7	36.9	0.2	36.9	37.0	0.1
State Park	Lake Murray State Park	Sec16722	Oklahoma	18250.1	34.043119	-97.048545	36.4	36.5	36.6	0.1	36.6	36.8	0.2
State Park	Lake Murray State Park	Sec16723	Oklahoma	18250.1	34.059604	-97.048272	36.2	36.3	36.4	0.1	36.4	36.6	0.2
State Park	Lake Murray State Park	Sec16725	Oklahoma	18250.1	34.092574	-97.047724	35.8	35.8	35.9	0.1	36.0	36.1	0.1

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			State	Area (Acres)	Latitude	Longitude	E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change		
			ma												
			Oklahoma												
State Park	Lake Murray State Park	Sec16726	ma	18250.1	34.109058	-97.047450	35.5	35.6	35.8	0.2	35.8	35.9	0.1		
State Park	Lake Tawakoni State Park	Pri56224	Texas	436.6	32.847184	-95.993343	41.6	41.7	42.6	0.9	42.0	42.8	0.8		
State Park	Lake Tawakoni State Park	4F_22_17_LakeTa	Texas	436.6	32.844750	-95.998980	41.5	41.5	42.6	1.1	41.9	42.9	1.0		
State Park	Lake Texoma State Resort Park	4F_0_18_LakeTe	Oklahoma	2271.5	33.989620	-96.636490	34.0	34.1	33.9	-0.2	34.4	34.2	-0.2		
State Park	Lake Texoma State Resort Park	Sec20583	ma	2271.5	33.988197	-96.633759	34.0	34.1	33.9	-0.2	34.5	34.3	-0.2		
Local Park	Lake View Park	Pri28063	Texas	281.3	32.980175	-97.114896	46.4	46.5	46.5	0.0	46.8	46.7	-0.1		
Local Park	Lake View Park	4f_785_LakeView	Texas	281.3	32.976830	-97.108470	46.4	46.5	46.5	0.0	46.8	46.7	-0.1		
State Park	Lake Whitney State Park	Sec13833	Texas	941.4	31.918961	-97.373012	30.9	30.5	32.1	1.6	30.2	32.0	1.8		
State Park	Lake Whitney State Park	Sec14017	Texas	941.4	31.918782	-97.353678	32.1	31.6	32.6	1.0	31.4	32.5	1.1		
State Park	Lake Whitney State Park	4F_29_19_LakeWh	Texas	941.4	31.924980	-97.362840	31.5	31.0	32.3	1.3	30.8	32.1	1.3		
Local Park	Lakeland Hill Park	4f_786_Lakeland	Texas	12.3	32.803630	-96.696230	47.8	47.9	47.6	-0.3	48.3	48.3	0.0		
Local Park	Lakeland Park	4f_787_Lakeland	Texas	136.2	33.102800	-96.440150	39.0	38.7	39.8	1.1	39.1	40.1	1.0		
Local Park	Lakeside Park	4f_788_Lakeside	Texas	16.7	32.762070	-96.600900	45.5	45.6	45.7	0.1	46.2	46.1	-0.1		
Local Park	Lakeside Park	4f_789_Lakeside	Texas	54.9	32.655300	-96.918820	43.1	43.3	42.6	-0.7	43.8	42.9	-0.9		
Texas Hist. Comm.	Lancaster Avenue Commercial Historic District	H_460_Lancaste	Texas	N/A	32.748586	-96.814735	49.0	49.2	49.0	-0.2	49.7	49.4	-0.3		
NRHP	Langsford, Samuel, House	H_215_Langsfor	Texas	N/A	32.388444	-96.828222	37.3	37.4	37.4	0.0	38.0	38.0	0.0		
Local Park	Lavonia Park	Pri44731	Texas	161.6	33.036963	-96.448202	42.9	42.9	42.2	-0.7	43.2	42.5	-0.7		
Local Park	Lavonia Park	4f_790_LavoniaP	Texas	161.6	33.040430	-96.445270	42.8	42.8	42.1	-0.7	43.1	42.4	-0.7		
Local Park	Law Park	4f_791_LawPark	Texas	10.9	32.732930	-96.618580	43.5	43.4	44.6	1.2	43.7	45.2	1.5		
Local Park	Lawnview Park	4f_792_Lawnview	Texas	59.2	32.767200	-96.724520	48.8	49.0	49.3	0.3	49.3	49.8	0.5		
Texas Hist. Comm.	Lawrence, Stephen Decatur, Farmstead	H_496_Lawrence	Texas	N/A	32.770382	-96.589227	45.3	45.4	45.5	0.1	45.9	45.8	-0.1		
Local Park	LBJ Park	4f_793_LBJPark	Texas	8.5	32.700600	-97.009030	48.6	48.8	48.6	-0.2	49.2	49.0	-0.2		
Texas Hist. Comm.	Lemmon, Mark and Maybelle, House	H_421_LemmonMa	Texas	N/A	32.838288	-96.784701	47.9	48.0	47.5	-0.5	48.5	47.9	-0.6		
Local Park	Leonard Park	Pri26916	Texas	82.7	33.623804	-97.154033	38.7	38.6	38.6	0.0	38.6	38.7	0.1		
Local Park	Leonard Park	4f_794_LeonardP	Texas	82.7	33.621960	-97.153750	38.7	38.6	38.6	0.0	38.6	38.7	0.1		

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
NRHP	Leuda-May Historic District	H_216_LeudaMay	Texas	N/A	32.736100	-97.328300	47.2	47.2	47.2	0.0	47.0	46.9	-0.1
NRHP	Levi--Moses House	H_217_LeviMose	Texas	N/A	32.765694	-96.772556	53.0	53.3	53.8	0.5	53.7	54.2	0.5
NRHP	Levi--Topletz House	H_218_LeviTopl	Texas	N/A	32.767444	-96.770583	53.4	53.7	54.4	0.7	54.1	54.7	0.6
NRHP	Lewis, William, House	H_219_LewisWil	Texas	N/A	32.388806	-96.829278	37.4	37.5	37.4	-0.1	38.1	38.1	0.0
Local Park	Lewisville Lake Park	Pri30769	Texas	684.2	33.069629	-97.005756	49.6	49.7	49.6	-0.1	50.1	50.0	-0.1
Local Park	Lewisville Lake Park	Pri31014	Texas	684.2	33.069512	-96.995963	49.1	49.2	49.1	-0.1	49.6	49.4	-0.2
Local Park	Lewisville Lake Park	4f_795_Lewisvil	Texas	684.2	33.077080	-97.008720	49.2	49.3	49.2	-0.1	49.6	49.5	-0.1
Local Park	Liberty Hill Park	Pri38473	Texas	331.1	31.944170	-96.715037	34.1	34.3	34.4	0.1	34.9	34.9	0.0
Local Park	Liberty Hill Park	4f_796.LibertyH	Texas	331.1	31.946310	-96.704360	34.4	34.6	34.7	0.1	35.2	35.2	0.0
Local Park	Library Fields Park	4f_797_LibraryF	Texas	6.6	33.025350	-96.691860	43.5	43.3	43.6	0.3	43.6	44.1	0.5
Local Park	Limestone Park	4f_798_Limeston	Texas	7.7	32.670320	-96.895030	44.0	44.2	43.2	-1.0	44.6	43.5	-1.1
NRHP	Lincoln Paint and Color Company Building	H_220_LincolnP	Texas	N/A	32.785056	-96.776972	55.5	55.8	56.4	0.6	55.9	56.3	0.4
Local Park	Linda Park	4f_799_LindaPar	Texas	8.9	32.820780	-96.698650	48.1	48.3	47.5	-0.8	48.6	48.6	0.0
Local Park	Lindsey Park	4f_800_LindseyP	Texas	10.6	33.638660	-97.220670	38.4	38.4	38.4	0.0	38.5	38.5	0.0
Local Park	Lindsley Park	4f_801_Lindsley	Texas	10.3	32.809000	-96.738280	49.1	49.3	48.5	-0.8	49.6	48.7	-0.9
Local Park	Lions Club Park	4f_802_LionsClu	Texas	26.4	32.830050	-98.115260	38.8	38.9	39.7	0.8	39.2	40.0	0.8
Local Park	Lions Club Park	4f_803_LionsClu	Texas	63.8	32.586800	-96.759290	38.4	38.6	39.8	1.2	38.9	40.6	1.7
Local Park	Little Mustang Creek Park	4f_804_LittleMu	Texas	193.1	32.303480	-96.666070	26.6	26.5	27.8	1.3	26.9	28.1	1.2
Local Park	Little Ridge Park	4f_805_LittleRi	Texas	77.6	33.061250	-96.456070	41.7	41.5	40.8	-0.7	41.8	41.1	-0.7
Local Park	Lively Park	4f_806_LivelyPa	Texas	19.8	32.823420	-96.952510	46.5	46.3	46.2	-0.1	46.6	46.4	-0.2
Local Park	Longhorn Park	Pri19936	Texas	206.4	32.637023	-97.441879	38.8	38.8	40.1	1.3	38.9	40.4	1.5
Local Park	Longhorn Park	4f_807_Longhorn	Texas	28.4	33.059060	-96.707640	43.2	42.7	43.7	1.0	43.1	44.2	1.1
Local Park	Longhorn Park	4f_808_Longhorn	Texas	206.4	32.639770	-97.441070	39.2	39.2	40.5	1.3	39.4	40.8	1.4
Local Park	Lookout Park	4f_809_LookoutP	Texas	21.8	32.984040	-96.693290	44.0	44.0	44.4	0.4	43.9	44.5	0.6
Local Park	Lou Duff Park	4f_810_LouDuffP	Texas	30.2	32.911490	-96.624590	45.9	45.9	44.7	-1.2	46.2	45.2	-1.0
Local Park	Lower Love Park	4f_811_LowerLov	Texas	172.9	32.267630	-96.643010	24.8	24.8	25.6	0.8	25.1	25.9	0.8
Local Park	Loy Lake Park	4f_812_LoyLakeP	Texas	188.1	33.733140	-96.592640	39.7	39.9	39.9	0.0	40.3	40.3	0.0

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Local Park	LTV Park	4f_813_LTPark	Texas	77.6	32.785050	-97.025790	56.9	57.0	57.0	0.0	57.3	57.4	0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri11449	Texas	116.3	33.365087	-97.777075	29.1	29.1	29.0	-0.1	29.5	29.4	-0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri11450	Texas	116.3	33.373333	-97.777008	29.2	29.3	29.2	-0.1	29.7	29.6	-0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri11690	Texas	116.3	33.332049	-97.767523	29.3	29.3	29.0	-0.3	29.7	29.4	-0.3
National Grassland	Lyndon B. Johnson National Grassland	Pri13168	Texas	116.3	33.397652	-97.707997	34.2	34.3	35.6	1.3	34.8	36.0	1.2
National Grassland	Lyndon B. Johnson National Grassland	Pri13171	Texas	116.3	33.422387	-97.707774	35.6	35.7	36.4	0.7	36.2	36.9	0.7
National Grassland	Lyndon B. Johnson National Grassland	Pri13661	Texas	116.3	33.422261	-97.688109	36.1	36.3	36.4	0.1	36.8	36.9	0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri13662	Texas	116.3	33.430506	-97.688033	35.8	35.9	35.7	-0.2	36.5	36.2	-0.3
National Grassland	Lyndon B. Johnson National Grassland	Pri13900	Texas	116.3	33.372727	-97.678738	33.9	34.1	34.5	0.4	34.6	35.0	0.4
National Grassland	Lyndon B. Johnson National Grassland	Pri13902	Texas	116.3	33.389217	-97.678584	35.6	35.9	36.7	0.8	36.3	37.2	0.9
National Grassland	Lyndon B. Johnson National Grassland	Pri13903	Texas	116.3	33.397462	-97.678507	36.3	36.4	37.3	0.9	36.9	37.7	0.8
National Grassland	Lyndon B. Johnson National Grassland	Pri13907	Texas	116.3	33.430442	-97.678200	35.6	35.7	35.3	-0.4	36.3	35.8	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri14152	Texas	116.3	33.430377	-97.668367	35.1	35.2	34.7	-0.5	35.8	35.2	-0.6
National Grassland	Lyndon B. Johnson National Grassland	Pri14387	Texas	116.3	33.347861	-97.659320	32.7	32.8	32.7	-0.1	33.3	33.0	-0.3
National Grassland	Lyndon B. Johnson National Grassland	Pri14388	Texas	116.3	33.356106	-97.659242	33.7	33.9	33.9	0.0	34.4	34.3	-0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri14389	Texas	116.3	33.364351	-97.659163	34.7	34.9	35.3	0.4	35.4	35.7	0.3
National Grassland	Lyndon B. Johnson National Grassland	Pri14392	Texas	116.3	33.389086	-97.658927	37.0	37.2	38.0	0.8	37.7	38.5	0.8
National Grassland	Lyndon B. Johnson National Grassland	Pri14395	Texas	116.3	33.413822	-97.658691	36.3	36.4	36.4	0.0	37.0	36.9	-0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri14628	Texas	116.3	33.314814	-97.649814	30.1	30.0	29.7	-0.3	30.5	30.1	-0.4
National Grassland	Lyndon B. Johnson National Grassland	Pri14629	Texas	116.3	33.323059	-97.649735	30.7	30.7	30.5	-0.2	31.2	30.8	-0.4
National Grassland	Lyndon B. Johnson National Grassland	Pri14638	Texas	116.3	33.397265	-97.649019	37.2	37.3	37.9	0.6	37.9	38.4	0.5

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
National Grassland	Lyndon B. Johnson National Grassland	Pri14639	Texas	116.3	33.405510	-97.648939	36.6	36.8	37.0	0.2	37.4	37.5	0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri14873	Texas	116.3	33.314746	-97.639994	30.8	30.7	30.4	-0.3	31.2	30.7	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri14874	Texas	116.3	33.322992	-97.639913	31.6	31.6	31.3	-0.3	32.1	31.6	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri14875	Texas	116.3	33.331237	-97.639833	32.6	32.7	32.3	-0.4	33.2	32.7	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri14876	Texas	116.3	33.339482	-97.639752	33.6	33.8	33.5	-0.3	34.3	33.8	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri14881	Texas	116.3	33.380708	-97.639350	37.7	37.9	38.8	0.9	38.4	39.2	0.8
National Grassland	Lyndon B. Johnson National Grassland	Pri14882	Texas	116.3	33.388953	-97.639269	37.5	37.8	38.4	0.6	38.2	38.9	0.7
National Grassland	Lyndon B. Johnson National Grassland	Pri14883	Texas	116.3	33.397198	-97.639189	37.0	37.2	37.7	0.5	37.7	38.2	0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri14884	Texas	116.3	33.405443	-97.639108	36.2	36.4	36.5	0.1	36.9	37.1	0.2
National Grassland	Lyndon B. Johnson National Grassland	Pri14885	Texas	116.3	33.413688	-97.639028	35.2	35.3	35.2	-0.1	35.9	35.7	-0.2
National Grassland	Lyndon B. Johnson National Grassland	Pri15118	Texas	116.3	33.314679	-97.630173	31.6	31.6	31.2	-0.4	32.1	31.6	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri15119	Texas	116.3	33.322924	-97.630092	32.5	32.6	32.2	-0.4	33.1	32.6	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri15120	Texas	116.3	33.331169	-97.630011	33.6	33.7	33.3	-0.4	34.2	33.7	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri15121	Texas	116.3	33.339414	-97.629929	34.8	34.9	34.6	-0.3	35.4	35.0	-0.4
National Grassland	Lyndon B. Johnson National Grassland	Pri15123	Texas	116.3	33.355904	-97.629766	36.8	37.0	37.4	0.4	37.5	37.8	0.3
National Grassland	Lyndon B. Johnson National Grassland	Pri15127	Texas	116.3	33.388885	-97.629441	37.4	37.5	38.1	0.6	38.1	38.5	0.4
National Grassland	Lyndon B. Johnson National Grassland	Pri15129	Texas	116.3	33.405375	-97.629278	35.5	35.6	35.7	0.1	36.2	36.3	0.1
National Grassland	Lyndon B. Johnson National Grassland	Pri15130	Texas	116.3	33.413620	-97.629196	34.4	34.5	34.4	-0.1	35.1	34.9	-0.2
National Grassland	Lyndon B. Johnson National Grassland	Pri15361	Texas	116.3	33.298120	-97.620517	30.8	30.8	30.4	-0.4	31.3	30.8	-0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri15371	Texas	116.3	33.380571	-97.619694	37.7	37.9	38.4	0.5	38.4	38.9	0.5
National Grassland	Lyndon B. Johnson National Grassland	Pri15605	Texas	116.3	33.289805	-97.610782	30.9	30.8	30.5	-0.3	31.3	30.9	-0.4

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National Grassland	Lyndon B. Johnson National Grassland	Pri15606	Texas	116.3	33.298050	-97.610699	31.7	31.7	31.2	-0.5	32.1	31.6	-0.5		
National Grassland	Lyndon B. Johnson National Grassland	Pri15612	Texas	116.3	33.347521	-97.610200	37.7	37.9	38.3	0.4	38.5	38.7	0.2		
National Grassland	Lyndon B. Johnson National Grassland	Pri15616	Texas	116.3	33.380502	-97.609867	37.2	37.4	37.7	0.3	38.0	38.3	0.3		
National Grassland	Lyndon B. Johnson National Grassland	Pri15617	Texas	116.3	33.388747	-97.609783	36.1	36.3	36.4	0.1	36.9	37.0	0.1		
National Grassland	Lyndon B. Johnson National Grassland	Pri15619	Texas	116.3	33.405237	-97.609617	33.7	33.8	33.6	-0.2	34.4	34.2	-0.2		
National Grassland	Lyndon B. Johnson National Grassland	Pri15856	Texas	116.3	33.339206	-97.600460	37.7	38.0	38.2	0.2	38.5	38.6	0.1		
National Grassland	Lyndon B. Johnson National Grassland	Pri15858	Texas	116.3	33.355696	-97.600291	38.6	38.8	39.3	0.5	39.3	39.8	0.5		
National Grassland	Lyndon B. Johnson National Grassland	Pri15859	Texas	116.3	33.363941	-97.600207	38.4	38.5	39.1	0.6	39.1	39.6	0.5		
National Grassland	Lyndon B. Johnson National Grassland	Pri15860	Texas	116.3	33.372186	-97.600123	37.5	37.8	38.1	0.3	38.3	38.6	0.3		
National Grassland	Lyndon B. Johnson National Grassland	Pri15862	Texas	116.3	33.388676	-97.599955	35.3	35.4	35.4	0.0	36.0	35.9	-0.1		
National Grassland	Lyndon B. Johnson National Grassland	Pri15863	Texas	116.3	33.396921	-97.599871	34.0	34.1	33.9	-0.2	34.7	34.5	-0.2		
National Grassland	Lyndon B. Johnson National Grassland	Pri15864	Texas	116.3	33.405166	-97.599786	32.8	32.9	32.6	-0.3	33.5	33.2	-0.3		
National Grassland	Lyndon B. Johnson National Grassland	Pri15865	Texas	116.3	33.413411	-97.599702	31.7	31.8	31.4	-0.4	32.4	32.0	-0.4		
National Grassland	Lyndon B. Johnson National Grassland	Pri16100	Texas	116.3	33.330890	-97.590722	37.8	38.0	38.1	0.1	38.6	38.6	0.0		
National Grassland	Lyndon B. Johnson National Grassland	Pri16101	Texas	116.3	33.339135	-97.590637	38.4	38.6	38.9	0.3	39.1	39.4	0.3		
National Grassland	Lyndon B. Johnson National Grassland	Pri16103	Texas	116.3	33.355625	-97.590467	38.5	38.7	39.3	0.6	39.2	39.8	0.6		
National Grassland	Lyndon B. Johnson National Grassland	Pri16104	Texas	116.3	33.363870	-97.590381	37.9	38.0	38.6	0.6	38.6	39.0	0.4		
National Grassland	Lyndon B. Johnson National Grassland	Pri16105	Texas	116.3	33.372115	-97.590296	36.8	37.0	37.2	0.2	37.6	37.7	0.1		
National Grassland	Lyndon B. Johnson National Grassland	Pri16106	Texas	116.3	33.380360	-97.590211	35.5	35.7	35.8	0.1	36.4	36.3	-0.1		
National Grassland	Lyndon B. Johnson National Grassland	Pri16110	Texas	116.3	33.413340	-97.589871	30.9	31.0	30.6	-0.4	31.6	31.2	-0.4		
National Grassland	Lyndon B. Johnson National Grassland	Pri16345	Texas	116.3	33.330818	-97.580899	38.5	38.8	39.0	0.2	39.3	39.5	0.2		

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National Grassland	Lyndon B. Johnson National Grassland	Pri16348	Texas	116.3	33.355553	-97.580642	38.0	38.2	38.8	0.6	38.8	39.3	0.5					
National Grassland	Lyndon B. Johnson National Grassland	Pri16349	Texas	116.3	33.363798	-97.580556	37.1	37.2	37.7	0.5	37.8	38.2	0.4					
National Grassland	Lyndon B. Johnson National Grassland	Pri16350	Texas	116.3	33.372043	-97.580470	35.8	36.0	36.2	0.2	36.6	36.7	0.1					
National Grassland	Lyndon B. Johnson National Grassland	Pri16351	Texas	116.3	33.380289	-97.580384	34.6	34.7	34.6	-0.1	35.3	35.2	-0.1					
National Grassland	Lyndon B. Johnson National Grassland	Pri16352	Texas	116.3	33.388534	-97.580298	33.3	33.4	33.2	-0.2	34.1	33.8	-0.3					
National Grassland	Lyndon B. Johnson National Grassland	Pri16354	Texas	116.3	33.405024	-97.580125	31.1	31.2	30.8	-0.4	31.8	31.4	-0.4					
National Grassland	Lyndon B. Johnson National Grassland	Pri16590	Texas	116.3	33.330745	-97.571077	38.8	39.0	39.5	0.5	39.6	39.9	0.3					
National Grassland	Lyndon B. Johnson National Grassland	Pri16595	Texas	116.3	33.371971	-97.570643	34.8	35.0	35.1	0.1	35.6	35.6	0.0					
National Grassland	Lyndon B. Johnson National Grassland	Pri16596	Texas	116.3	33.380216	-97.570556	33.5	33.7	33.5	-0.2	34.3	34.2	-0.1					
National Grassland	Lyndon B. Johnson National Grassland	Pri16597	Texas	116.3	33.388461	-97.570469	32.4	32.5	32.2	-0.3	33.1	32.8	-0.3					
National Grassland	Lyndon B. Johnson National Grassland	Pri16842	Texas	116.3	33.388388	-97.560640	31.5	31.7	31.3	-0.4	32.3	31.9	-0.4					
National Grassland	Lyndon B. Johnson National Grassland	Pri17575	Texas	116.3	33.371673	-97.531336	31.5	31.6	31.1	-0.5	32.2	31.7	-0.5					
National Grassland	Lyndon B. Johnson National Grassland	Pri17580	Texas	116.3	33.412898	-97.530883	28.8	28.9	28.4	-0.5	29.6	29.3	-0.3					
National Grassland	Lyndon B. Johnson National Grassland	Pri17825	Texas	116.3	33.412821	-97.521051	28.5	28.6	28.2	-0.4	29.3	29.0	-0.3					
National Grassland	Lyndon B. Johnson National Grassland	Pri18070	Texas	116.3	33.412744	-97.511220	28.2	28.2	27.9	-0.3	28.9	28.8	-0.1					
National Grassland	Lyndon B. Johnson National Grassland	Pri18311	Texas	116.3	33.379686	-97.501763	29.8	29.9	29.3	-0.6	30.5	30.0	-0.5					
National Grassland	Lyndon B. Johnson National Grassland	4F_5_20_Lyndon	Texas	116.3	33.371620	-97.624190	38.1	38.3	39.0	0.7	38.9	39.5	0.6					
Local Park	Lynn Creek Park	Pri29981	Texas	773	32.632975	-97.042336	45.9	46.0	46.4	0.4	46.3	46.7	0.4					
Local Park	Lynn Creek Park	Pri30226	Texas	773	32.632860	-97.032591	45.6	45.7	46.1	0.4	46.0	46.5	0.5					
Local Park	Lynn Creek Park	4f_814_LynnCree	Texas	773	32.634980	-97.033040	45.7	45.8	46.2	0.4	46.1	46.6	0.5					
Local Park	M H W Park	4f_815_MHWPark	Texas	57.5	33.116290	-96.087030	40.3	40.3	41.3	1.0	40.7	41.7	1.0					
Local Park	Mack Park	4f_816_MackPark	Texas	22.5	33.215440	-97.108070	41.7	41.7	41.8	0.1	41.9	42.0	0.1					

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Local Park	Magna Vista Park	4f_817_MagnaVis	Texas	36	32.722390	-96.772350	47.7	47.9	47.2	-0.7	48.4	47.7	-0.7			
NRHP	Magnolia Building	H_221_Magnolia	Texas	N/A	32.780056	-96.799111	53.4	53.7	53.5	-0.2	54.6	54.2	-0.4			
Texas Hist. Comm.	Magnolia Petroleum Company City Sales and Warehouse	H_499_Magnolia	Texas	N/A	32.792824	-96.810433	54.5	54.8	54.8	0.0	56.0	55.8	-0.2			
NRHP	Majestic Theatre	H_222_Majestic	Texas	N/A	32.783667	-96.794806	54.5	54.9	55.0	0.1	55.9	55.9	0.0			
Local Park	Mallard Park	4f_818_MallardP	Texas	54	33.047190	-96.427430	43.0	43.0	41.7	-1.3	43.3	42.1	-1.2			
Texas Hist. Comm.	Man, Ralp Sandiford and Julia Boisseau, House	H_223_ManRalpd	Texas	N/A	32.564200	-97.147900	39.8	39.8	40.4	0.6	39.7	40.5	0.8			
Local Park	Maple Park	4f_819_MaplePar	Texas	4.2	32.812640	-96.822960	59.5	60.0	60.2	0.2	61.4	61.6	0.2			
Texas Hist. Comm.	Marine Commercial Historic District	H_478_MarineCo	Texas	N/A	32.778041	-97.346915	49.8	49.8	49.8	0.0	49.5	49.5	0.0			
Local Park	Marine Park	4f_820_MarinePa	Texas	11.9	32.780180	-97.350980	51.8	51.7	51.8	0.1	51.2	51.2	0.0			
Local Park	Mark Twain Park	4f_821_MarkTwai	Texas	8.9	32.948150	-96.702300	44.9	45.0	44.5	-0.5	45.2	44.5	-0.7			
NRHP	Markeen Apartments	H_224_MarkeenA	Texas	N/A	32.742222	-97.328472	47.3	47.3	47.0	-0.3	47.2	46.9	-0.3			
Local Park	Marsalis Park	4f_822_Marsalis	Texas	64.5	32.740370	-96.816360	48.3	48.4	48.1	-0.3	48.9	48.4	-0.5			
NRHP	Mary Apartments Masonic Widows and Orphans Home Historic District	H_225_MaryApar	Texas	N/A	32.799639	-96.775333	53.7	53.9	53.3	-0.6	54.3	53.7	-0.6			
Texas Hist. Comm.	Matthews--Atwood House	H_484_MasonicW	Texas	N/A	32.708840	-97.283955	45.5	45.3	46.0	0.7	45.4	46.1	0.7			
NRHP	Matthews--Templeton House	H_226_Matthews	Texas	N/A	32.328444	-96.631667	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6			
NRHP	McCanless--Williams House	H_228_McCanles	Texas	N/A	32.332111	-96.634333	30.2	30.2	28.5	-1.7	30.4	28.7	-1.7			
NRHP	McCartney House	H_229_McCartne	Texas	N/A	32.394944	-96.850167	38.7	38.9	38.7	-0.2	39.6	39.5	-0.1			
Local Park	McCown Valley Park	Pri21077	Texas	475	31.943959	-97.401711	29.2	28.7	31.9	3.2	28.4	31.8	3.4			
Local Park	McCown Valley Park	4f_824_McCownVa	Texas	475	31.943010	-97.400660	29.3	28.7	31.9	3.2	28.4	31.8	3.4			
Local Park	McCree Park	4f_825_McCreePa	Texas	11.5	32.870520	-96.699450	46.9	46.9	45.2	-1.7	47.5	45.5	-2.0			
NRHP	McFarlin Memorial Auditorium	H_230_McFarlin	Texas	N/A	32.844167	-96.786361	47.4	47.5	47.0	-0.5	47.9	47.4	-0.5			
Local Park	McGee Park	4f_826_McGeePar	Texas	2.9	32.783500	-97.395050	45.2	45.4	45.6	0.2	45.6	45.8	0.2			
NRHP	McIntosh, Roger D., House	H_231_McIntosh	Texas	N/A	32.807194	-96.754000	50.0	50.2	49.3	-0.9	50.5	49.6	-0.9			

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Local Park	McKenna Park	4f_827_McKennaP	Texas	17.2	33.220320	-97.159970	41.7	41.7	41.8	0.1	41.7	41.9	0.2		
Texas Hist. Comm.	McKinney Commercial Historic District	H_441_Mckinney	Texas	N/A	33.197772	-96.615241	35.6	35.7	35.9	0.2	36.0	35.9	-0.1		
NRHP	McKinney Cotton Compress Plant	H_232_McKinney	Texas	N/A	33.200500	-96.606500	36.2	36.3	37.2	0.9	36.6	36.7	0.1		
Texas Hist. Comm.	McKinney Cotton Mill Historic District	H_442_Mckinney	Texas	N/A	33.183304	-96.611346	35.0	34.9	36.3	1.4	35.2	36.1	0.9		
NRHP	McKinney Hospital, Old	H_233_McKinney	Texas	N/A	33.190861	-96.621361	35.4	35.4	35.5	0.1	35.7	35.8	0.1		
Texas Hist. Comm.	McKinney Hospital, Old McKinney Residential Historic District	H_234_McKinney	Texas	N/A	33.191611	-96.621972	35.4	35.4	35.5	0.1	35.7	35.8	0.1		
NRHP	McKinney Residential Historic District	H_440_McKinney	Texas	N/A	33.198872	-96.620682	35.9	35.9	35.5	-0.4	36.2	35.8	-0.4		
Local Park	McWhorter Park	4f_828_McWhorte	Texas	15.2	32.745920	-96.618050	44.5	44.5	45.4	0.9	44.9	46.0	1.1		
Local Park	Meadow Stone Park	4f_829_MeadowSt	Texas	7	32.656290	-96.861960	45.2	45.3	44.8	-0.5	45.0	44.2	-0.8		
Local Park	Meadowbrook Park	4f_830_Meadowbr	Texas	54	32.732240	-97.091550	50.1	50.3	50.0	-0.3	50.6	50.4	-0.2		
Local Park	Meadowmere Park	4f_831_Meadowme	Texas	349	32.979910	-97.119320	46.2	46.3	46.3	0.0	46.5	46.5	0.0		
NRHP	Medical Dental Building	H_235_MedicalD	Texas	N/A	32.743556	-96.827111	48.5	48.6	48.4	-0.2	49.0	48.7	-0.3		
NRHP	Meredith--McDowal House	H_236_Meredith	Texas	N/A	32.330306	-96.635222	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6		
State Park	Meridan State Park	4F_30_21_Merida	Texas	529.1	31.891740	-97.702710	20.6	20.6	22.1	1.5	20.9	23.2	2.3		
State Park	Meridan State Park	Sec10703	Texas	529.1	31.888548	-97.702002	20.6	20.6	22.1	1.5	20.9	23.1	2.2		
Local Park	Meyers Park	4f_832_MeyersPa	Texas	5.4	33.563530	-97.854670	31.8	31.8	32.2	0.4	32.4	33.2	0.8		
Local Park	Midway Park	4f_833_MidwayPa	Texas	19.3	32.845110	-97.085260	51.1	51.3	51.4	0.1	51.6	51.7	0.1		
Local Park	Mill Creek Park	Pri36250	Texas	96.1	33.817073	-96.775700	37.0	37.1	37.0	-0.1	37.5	37.3	-0.2		
Local Park	Mill Creek Park	4f_834_MillCree	Texas	96.1	33.820400	-96.775280	37.0	37.1	37.0	-0.1	37.5	37.4	-0.1		
Texas Hist. Comm.	Miller and Stemmons Historic District	H_462_Milleran	Texas	N/A	32.752742	-96.827863	49.3	49.4	49.3	-0.1	49.9	49.7	-0.2		
Texas Hist. Comm.	Miller Manufacturing Company Building	H_395_MillerMa	Texas	N/A	32.743246	-97.325253	47.3	47.3	47.0	-0.3	47.2	46.9	-0.3		
Local Park	Miller Park	4f_835_MillerPa	Texas	4.3	32.718100	-96.778550	47.4	47.5	46.8	-0.7	48.1	47.5	-0.6		
NRHP	Miller, John Hickman, House	H_237_MillerJo	Texas	N/A	32.806861	-96.805917	58.4	58.9	59.2	0.3	60.1	60.3	0.2		
Texas Hist. Comm.	Mills Place Historic District	H_475_MillsPla	Texas	N/A	32.092878	-96.478223	23.6	23.6	24.1	0.5	23.9	24.4	0.5		
Local Park	Mimosa Park	4f_836_MimosaPa	Texas	8.6	32.967580	-96.761550	47.8	47.8	47.6	-0.2	47.5	47.4	-0.1		

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Local Park	Mineral Wells Park Missouri-Kansas-Texas	4f_837_MineralW	Texas	63.2	32.809110	-98.131150	38.5	38.6	39.1	0.5	38.8	39.4	0.6		
NRHP	Company Railroad Station Mitchell, John E., Company	H_238_Missouri	Texas	N/A	32.012861	-97.131528	38.5	38.6	38.7	0.1	38.9	39.0	0.1		
NRHP Texas Hist. Comm.	Plant	H_239_Mitchell	Texas	N/A	32.784778	-96.771444	54.9	55.2	55.6	0.4	55.1	55.3	0.2		
NRHP	Monroe Shops Montgomery Ward and Company Building	H_416_MonroeSh	Texas	N/A	32.724327	-96.804552	47.6	47.7	47.2	-0.5	48.2	47.4	-0.8		
Local Park	Monticello Park	4f_838_Monticel	Texas	4.6	32.758000	-97.371080	46.9	47.0	46.7	-0.3	47.0	46.7	-0.3		
NRHP	Moore House	H_241_MooreHou	Texas	N/A	32.330444	-96.633083	30.2	30.3	28.6	-1.7	30.5	28.8	-1.7		
Local Park	Moore Park	4f_839_MoorePar	Texas	14.2	33.208860	-97.122520	41.7	41.7	41.9	0.2	41.9	42.0	0.1		
Local Park	Moore Park	4f_840_MoorePar	Texas	23.5	32.711780	-97.120140	47.9	48.2	47.9	-0.3	48.5	48.2	-0.3		
Local Park	Moore Park	4f_841_MoorePar	Texas	5.1	32.748380	-96.793070	49.6	49.8	49.6	-0.2	50.4	50.0	-0.4		
NRHP Texas Hist. Comm.	Moore, W. B., House	H_242_MooreWBH	Texas	N/A	32.387778	-96.832472	37.6	37.7	37.7	0.0	38.3	38.3	0.0		
Local Park	Moorhead, J.B., House	H_243_Moorhead	Texas	N/A	32.321800	-96.623200	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6		
Local Park	Morgan Lakeside Park Morning Chapel Colored Methodist Episcopal Church	4f_842_MorganLa	Texas	75.2	32.018570	-97.492890	24.3	24.1	26.3	2.2	24.0	26.4	2.4		
NRHP	Morton House	H_244_MorningC	Texas	N/A	32.758417	-97.325389	47.2	47.3	47.0	-0.3	47.4	47.2	-0.2		
NRHP	Mosely Park	H_245_MortonHo	Texas	N/A	32.334444	-96.634278	30.1	30.1	28.4	-1.7	30.3	28.6	-1.7		
Local Park	Moss Park	4f_843_MoselyPa	Texas	17.9	32.612620	-96.845700	41.7	41.9	41.9	0.0	42.8	42.6	-0.2		
Local Park	Motley Park	4f_844_MossPark	Texas	11.5	32.743240	-96.862310	48.8	49.0	48.9	-0.1	49.3	49.2	-0.1		
Local Park	Motley Park	4f_845_MotleyPa	Texas	5.3	32.818650	-96.655920	47.2	47.4	46.7	-0.7	47.8	47.0	-0.8		
Local Park	Mott Park	4f_846_MottPark	Texas	336.4	32.258040	-96.663420	25.7	25.6	26.1	0.5	26.0	26.5	0.5		
Local Park	Mountain Creek Lake Park	Pri31458	Texas	1594.6	32.689993	-96.982884	46.9	47.1	46.7	-0.4	47.6	47.1	-0.5		
Local Park	Mountain Creek Lake Park	Pri31701	Texas	1594.6	32.673382	-96.973417	45.2	45.4	44.9	-0.5	45.9	45.2	-0.7		
Local Park	Mountain Creek Lake Park	Pri31702	Texas	1594.6	32.681628	-96.973275	46.0	46.2	45.8	-0.4	46.7	46.1	-0.6		
Local Park	Mountain Creek Lake Park	Pri31703	Texas	1594.6	32.689873	-96.973133	46.6	46.9	46.4	-0.5	47.3	46.8	-0.5		
Local Park	Mountain Creek Lake Park	Pri31948	Texas	1594.6	32.689753	-96.963383	46.5	46.7	46.3	-0.4	47.2	46.6	-0.6		
Local Park	Mountain Creek Lake Park	Pri32196	Texas	1594.6	32.714368	-96.953201	46.7	46.8	46.4	-0.4	47.2	46.7	-0.5		
Local Park	Mountain Creek Lake Park	4f_847_Mountain	Texas	1594.6	32.692660	-96.974300	46.9	47.1	46.7	-0.4	47.5	47.0	-0.5		

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Local Park	Mountain Valley Park	4f_848_Mountain	Texas	68.8	32.736610	-96.931320	49.1	49.2	49.2	0.0	49.5	49.5	0.0			
Local Park	Mountain View Park	Pri33422	Texas	239.2	32.721997	-96.904287	46.7	46.9	46.6	-0.3	47.2	46.9	-0.3			
Local Park	Mountain View Park	Pri33423	Texas	239.2	32.730242	-96.904139	47.7	47.8	47.7	-0.1	48.2	48.0	-0.2			
Local Park	Mountain View Park	4f_849_Mountain	Texas	239.2	32.726400	-96.904580	47.2	47.4	47.1	-0.3	47.7	47.5	-0.2			
Local Park	Mouzon Park	4f_850_MouzonPa	Texas	22	33.197270	-96.602250	37.2	37.3	37.8	0.5	37.4	37.7	0.3			
NRHP Texas Hist. Comm.	Mrs. Baird's Bread Company Building	H_246_MrsBaird	Texas	N/A	32.800389	-96.777028	53.8	54.1	53.5	-0.6	54.6	54.0	-0.6			
	Munger Place Historic District	H_444_MungerPl	Texas		N/A	32.799338	-96.764523	52.1	52.4	51.5	-0.9	52.5	51.7	-0.8		
Local Park	Munson Park	4f_851_MunsonPa	Texas	128.7	33.775290	-96.534930	37.3	37.4	37.4	0.0	37.8	37.8	0.0			
Local Park	Murphy Park	4f_852_MurphyPa	Texas	1.3	33.206700	-96.627260	36.5	36.6	35.8	-0.8	36.9	36.2	-0.7			
Local Park	Mustang Park	Pri18462	Texas	766.4	32.604524	-97.500722	32.9	32.9	34.5	1.6	33.0	34.9	1.9			
Local Park	Mustang Park	Pri18463	Texas	766.4	32.612770	-97.500630	33.4	33.4	35.5	2.1	33.5	35.9	2.4			
Local Park	Mustang Park	Pri18707	Texas	766.4	32.604445	-97.490981	32.7	32.7	34.5	1.8	32.8	34.9	2.1			
Local Park	Mustang Park	Pri18952	Texas	766.4	32.604366	-97.481239	32.6	32.6	34.7	2.1	32.8	35.0	2.2			
Local Park	Mustang Park	4f_853_MustangP	Texas	766.4	32.604650	-97.480710	32.7	32.6	34.7	2.1	32.8	35.0	2.2			
Local Park	Nance James Park	4f_854_NanceJam	Texas	5.1	32.732510	-97.030050	51.9	52.0	52.0	0.0	52.3	52.3	0.0			
Local Park Texas Hist. Comm.	Narrow Lake Park	4f_855_NarrowLa	Texas	41.4	33.165720	-96.960030	43.6	43.7	43.5	-0.2	44.0	43.7	-0.3			
	Nash, Thomas J. and Elizabeth, Farm	H_394_NashThom	Texas		N/A	32.936654	-97.085769	48.4	48.5	48.4	-0.1	48.9	48.8	-0.1		
NRHP	National Compress Company Building	H_247_National	Texas	N/A	32.381167	-96.846028	38.4	38.5	38.6	0.1	39.2	39.3	0.1			
	Natures Park	4f_856_NaturesP	Texas		30.6	32.073170	-96.480720	22.9	22.9	23.7	0.8	23.2	24.0	0.8		
Local Park Texas Hist. Comm.	Navarro County Courthouse	H_429_NavarroC	Texas	N/A	32.095477	-96.468393	24.7	24.7	24.9	0.2	25.0	25.2	0.2			
	Neal House Near Southeast Historic District	H_248_NealHous	Texas		N/A	32.331194	-96.634139	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6		
NRHP Texas Hist. Comm.	Neathery, Sam, House	H_480_NearSout	Texas	N/A	32.734182	-97.312562	46.8	46.7	46.9	0.2	46.8	46.9	0.1			
	Nelson Park	4f_857_NelsonPa	Texas		16.8	32.756510	-96.749150	51.0	51.4	52.7	1.3	51.9	52.9	1.0		
NRHP	Nenney, J. P., House	H_250_NenneyJP	Texas	N/A	33.202167	-96.617611	36.2	36.2	35.9	-0.3	36.5	36.0	-0.5			

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
Local Park	Netherland Park	4f_858_Netherla	Texas	11.2	32.888670	-96.809620	46.1	46.0	45.9	-0.1	46.3	46.1	-0.2			
NRHP	Newsome, R. F., House	H_252_NewsomeR	Texas	N/A	33.202333	-96.627472	36.2	36.2	35.6	-0.6	36.5	36.0	-0.5			
NRHP	Newsome--King House	H_251_NewsomeK	Texas	N/A	33.196722	-96.607694	36.0	36.0	37.2	1.2	36.3	36.5	0.2			
Local Park	Nolan River Park	Pri19871	Texas	132.8	32.101046	-97.448221	26.2	25.5	32.0	6.5	25.2	32.1	6.9			
Local Park	Nolan River Park	4f_859_NolanRiv	Texas	132.8	32.099210	-97.453400	25.9	25.3	31.9	6.6	25.0	32.0	7.0			
Local Park	Norich Park	4f_860_NorichPa	Texas	9	32.846230	-97.209060	45.5	45.5	45.4	-0.1	45.6	45.6	0.0			
Local Park	North Arcadia Park	4f_861_NorthArc	Texas	6.7	32.757140	-96.910820	51.9	52.1	52.0	-0.1	52.3	52.2	-0.1			
Texas Hist. Comm.	North Bishop Avenue Commercial Historic District	H_463_NorthBis	Texas	N/A	32.747988	-96.828317	48.9	49.1	48.8	-0.3	49.5	49.2	-0.3			
NRHP	North Fort Worth High School	H_253_NorthFor	Texas	N/A	32.781222	-97.357000	53.2	53.1	53.1	0.0	52.5	52.5	0.0			
Local Park	North Hampton Park	4f_862_NorthHam	Texas	86.9	32.789350	-96.858020	50.1	50.2	50.1	-0.1	50.5	50.5	0.0			
Local Park	North Lake Park	Pri31242	Texas	660.7	32.929226	-96.988566	48.3	48.4	48.0	-0.4	49.0	48.5	-0.5			
Local Park	North Lake Park	Pri31243	Texas	660.7	32.937471	-96.988425	48.3	48.3	47.8	-0.5	48.9	48.2	-0.7			
Local Park	North Lake Park	Pri31487	Texas	660.7	32.929107	-96.978789	47.7	47.8	47.3	-0.5	48.5	47.7	-0.8			
Local Park	North Lake Park	4f_863_NorthLak	Texas	660.7	32.931920	-96.983340	47.9	48.0	47.4	-0.6	48.7	47.9	-0.8			
Local Park	North Lakes Park	4f_864_NorthLak	Texas	284.1	33.236540	-97.157410	41.8	41.7	41.8	0.1	41.8	41.9	0.1			
Local Park	North Park	4f_865_NorthPar	Texas	57.7	32.842070	-97.260810	47.2	47.2	46.9	-0.3	47.3	47.0	-0.3			
Texas Hist. Comm.	North Rogers Street Historic District	H_469_NorthRog	Texas	N/A	32.391053	-96.845905	38.4	38.6	38.5	-0.1	39.3	39.3	0.0			
Local Park	North Side Park	4f_866_NorthSid	Texas	10.3	32.780140	-97.362930	49.8	49.8	49.9	0.1	49.5	49.6	0.1			
Local Park	Northaven Park	4f_867_Northhave	Texas	32.5	32.905150	-96.847350	45.5	45.5	45.3	-0.2	46.1	45.5	-0.6			
Local Park	Northfield Park	4f_868_Northfie	Texas	26.5	32.890790	-97.198030	44.9	44.4	44.3	-0.1	44.2	44.1	-0.1			
NRHP	Novy, Joe, House Number 4 Hook and Ladder Company	H_254_NovyJoeH	Texas	N/A	32.327250	-96.634889	30.2	30.3	28.8	-1.5	30.4	29.0	-1.4			
NRHP	Number 4 Hook and Ladder Company	H_255_Number4H	Texas	N/A	32.809889	-96.809056	58.8	59.2	59.6	0.4	60.4	60.6	0.2			
Local Park	Oak Grove Park	Pri28797	Texas	1190	32.971600	-97.085679	51.4	51.6	51.6	0.0	51.8	51.9	0.1			
Local Park	Oak Grove Park	Pri29041	Texas	1190	32.963244	-97.076030	54.6	54.8	54.6	-0.2	55.0	54.9	-0.1			
Local Park	Oak Grove Park	Pri29530	Texas	1190	32.954773	-97.056603	64.6	64.9	64.9	0.0	65.4	65.4	0.0			
Local Park	Oak Grove Park	4f_870_OakGrove	Texas	140.9	33.036560	-96.663070	42.7	42.3	43.3	1.0	42.6	43.7	1.1			

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Local Park	Oak Grove Park	4f_871_OakGrove	Texas	1190	32.960850	-97.083880	50.7	50.8	50.7	-0.1	51.1	51.0	-0.1
NRHP	Oak Lawn Methodist Episcopal Church, South	H_256_OakLawnM	Texas	N/A	32.809250	-96.808417	58.7	59.1	59.5	0.4	60.3	60.5	0.2
Local Park	Oak Park	4f_872_OakPark	Texas	182.1	31.965130	-96.692850	34.6	34.8	34.9	0.1	35.4	35.5	0.1
Local Park	Oakland Lake Park	4f_873_OaklandL	Texas	61.3	32.754820	-97.258440	48.7	48.8	48.6	-0.2	49.0	48.7	-0.3
Local Park	Oakland Park	4f_874_OaklandP	Texas	409.1	33.099540	-97.002740	47.2	47.3	47.0	-0.3	47.6	47.3	-0.3
Local Park	O'Banion Park	4f_869_O'Banion	Texas	25.5	32.861600	-96.623300	46.9	46.8	45.5	-1.3	47.1	45.7	-1.4
Local Park	Oden Park	4f_875_OdenPark	Texas	36	32.891400	-96.642050	46.4	46.4	44.9	-1.5	46.7	45.5	-1.2
NRHP	Old Alton Bridge	H_257_OldAlton	Texas	N/A	33.129361	-97.104028	43.2	43.3	43.2	-0.1	43.7	43.5	-0.2
NRHP	Old City Mills	H_258_OldCityM	Texas	N/A	32.328333	-96.625722	30.1	30.2	28.5	-1.7	30.3	28.7	-1.6
NRHP	Old Continental State Bank	H_259_OldConti	Texas	N/A	32.999361	-97.229250	48.2	48.2	48.0	-0.2	48.3	48.1	-0.2
Local Park	Old Fork Park	4f_876_OldForkP	Texas	107.5	32.002530	-97.392500	29.4	28.8	31.4	2.6	28.4	31.3	2.9
NRHP	Old Rock Saloon	H_260_OldRockS	Texas	N/A	32.010500	-97.130611	38.5	38.6	38.7	0.1	38.9	39.0	0.1
Local Park	Old Settlers Park	4f_877_OldSettl	Texas	27.8	33.655890	-96.595130	36.1	36.2	36.1	-0.1	36.7	36.5	-0.2
NRHP	Old Sherman Public Library	H_261_OldSherm	Texas	N/A	33.634750	-96.607056	36.0	36.1	35.9	-0.2	36.5	36.3	-0.2
Texas Hist. Comm.	Old Town Historic District	H_477_OldTownH	Texas	N/A	32.741356	-97.106504	51.0	51.2	51.1	-0.1	51.5	51.3	-0.2
Texas Hist. Comm.	Oldham Avenue Historic District	H_467_OldhamAv	Texas	N/A	32.388103	-96.842694	38.2	38.4	38.3	-0.1	39.0	39.0	0.0
NRHP	Oldham, Mary and Frank House	H_262_OldhamMa	Texas	N/A	32.396806	-96.853306	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2
Local Park	Oliver Park	4f_878_OliverPa	Texas	4.6	32.695080	-96.809860	46.2	46.3	45.7	-0.6	46.8	46.1	-0.7
Local Park	Oran Good Park	4f_879_OranGood	Texas	25.9	32.925480	-96.889080	50.2	50.5	51.4	0.9	51.5	53.3	1.8
Local Park	Orbiter Park	4f_880_OrbiterP	Texas	9.4	32.899480	-96.762050	45.5	45.6	44.6	-1.0	46.3	45.9	-0.4
Texas Hist. Comm.	Original Town Residential Historic District	H_488_Original	Texas	N/A	32.936641	-97.074893	52.3	52.4	52.4	0.0	52.9	52.8	-0.1
NRHP	Our Lady of Victory Academy	H_263_OurLadyo	Texas	N/A	32.701700	-97.332900	45.2	44.9	46.0	1.1	44.5	45.7	1.2
NRHP	Our Mother of Mercy Catholic Church and Parsonage	H_264_OurMothe	Texas	N/A	32.732722	-97.318417	46.8	46.7	46.9	0.2	46.7	46.8	0.1
Texas Hist. Comm.	Our Mother of Mercy School	H_422_OurMothe	Texas	N/A	32.735048	-97.319217	46.9	46.9	46.9	0.0	46.8	46.9	0.1
Local Park	Outpost Park	4f_881_OutpostP	Texas	5.3	33.023800	-96.676940	43.2	42.9	43.4	0.5	43.2	43.7	0.5



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Local Park	Overland Trail Park	4f_882_Overland	Texas	16.1	33.008770	-96.720650	44.1	44.1	44.0	-0.1	44.5	44.5	0.0
Local Park	Overton Park	4f_883_OvertonP	Texas	13.2	32.708070	-97.378870	44.2	44.0	45.4	1.4	44.0	45.5	1.5
Texas Hist. Comm.	Ownby, Jordan C., Stadium	H_265_OwnbyJor	Texas	N/A	32.837750	-96.783556	47.9	48.0	47.4	-0.6	48.5	47.9	-0.6
NRHP	Paddock Viaduct	H_266_PaddockV	Texas	N/A	32.760083	-97.334972	47.4	47.4	47.2	-0.2	47.5	47.3	-0.2
NRHP	Paillet House	H_267_PailletH	Texas	N/A	32.378083	-96.855028	38.8	39.0	39.0	0.0	39.7	39.7	0.0
Local Park	Pappy Elkins Park	4f_884_PappyElk	Texas	44.3	32.702280	-97.158180	46.1	46.5	46.1	-0.4	46.7	46.3	-0.4
Local Park	Paradise Cove Park	4f_885_Paradise	Texas	136.5	33.788790	-96.783100	37.0	37.1	36.9	-0.2	37.5	37.3	-0.2
Local Park	Park	4f_886_Park	Texas	N/A	33.559620	-97.839240	31.8	31.7	32.0	0.3	32.3	33.0	0.7
Local Park	Park	4f_887_Park	Texas	N/A	33.476810	-97.732690	33.8	33.9	33.3	-0.6	34.4	33.9	-0.5
Local Park	Park	4f_888_Park	Texas	N/A	33.756580	-96.559330	38.3	38.4	38.4	0.0	38.8	38.8	0.0
Local Park	Park	4f_889_Park	Texas	N/A	33.742310	-96.533500	35.7	35.9	35.8	-0.1	36.3	36.1	-0.2
Local Park	Park	4f_890_Park	Texas	N/A	33.818080	-96.559880	41.0	41.1	41.1	0.0	41.5	41.5	0.0
Local Park	Park	4f_891_Park	Texas	N/A	33.585330	-96.178350	30.1	30.2	26.8	-3.4	30.6	27.6	-3.0
Local Park	Park	4f_892_Park	Texas	N/A	33.575820	-96.175170	30.3	30.4	27.3	-3.1	30.8	28.0	-2.8
Local Park	Park	4f_893_Park	Texas	N/A	33.570280	-96.182190	30.6	30.7	27.5	-3.2	31.1	28.2	-2.9
Local Park	Park	4f_894_Park	Texas	N/A	33.236350	-97.583810	30.4	30.3	30.2	-0.1	30.8	30.6	-0.2
Local Park	Park	4f_895_Park	Texas	N/A	33.214370	-97.095820	42.1	42.1	42.2	0.1	42.2	42.3	0.1
Local Park	Park	4f_896_Park	Texas	N/A	33.241040	-97.111970	41.6	41.6	41.8	0.2	41.7	42.0	0.3
Local Park	Park	4f_897_Park	Texas	N/A	33.236010	-97.027720	42.0	42.1	41.9	-0.2	42.3	42.1	-0.2
Local Park	Park	4f_898_Park	Texas	N/A	33.001140	-96.885460	48.2	48.3	48.2	-0.1	48.7	48.5	-0.2
Local Park	Park	4f_899_Park	Texas	N/A	33.236390	-97.148820	41.8	41.8	41.9	0.1	41.8	41.9	0.1
Local Park	Park	4f_900_Park	Texas	N/A	33.111900	-96.113920	40.6	40.7	41.1	0.4	41.0	41.5	0.5
Local Park	Park	4f_901_Park	Texas	N/A	33.100130	-96.668230	39.4	38.8	41.3	2.5	39.1	41.7	2.6
Local Park	Park	4f_902_Park	Texas	N/A	33.015110	-96.744350	44.8	44.8	44.9	0.1	45.3	46.1	0.8
Local Park	Park	4f_903_Park	Texas	N/A	33.096230	-96.476600	39.5	39.0	40.0	1.0	39.5	40.4	0.9
Local Park	Park	4f_904_Park	Texas	N/A	32.775110	-97.321820	47.5	47.5	47.6	0.1	47.7	47.6	-0.1
Local Park	Park	4f_905_Park	Texas	N/A	32.687070	-97.264610	44.4	44.3	44.7	0.4	44.5	44.9	0.4

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Local Park	Park	4f_906_Park	Texas	N/A	32.681140	-97.356450	42.4	42.2	43.9	1.7	42.0	43.8	1.8			
Local Park	Park	4f_907_Park	Texas	N/A	32.665000	-97.382240	42.3	42.2	43.8	1.6	41.4	43.4	2.0			
Local Park	Park	4f_908_Park	Texas	N/A	32.639700	-97.387810	41.9	41.9	43.2	1.3	41.7	43.3	1.6			
Local Park	Park	4f_909_Park	Texas	N/A	32.646340	-97.405100	42.7	42.7	43.7	1.0	42.9	44.0	1.1			
Local Park	Park	4f_910_Park	Texas	N/A	32.771590	-97.358280	50.4	50.4	50.4	0.0	49.9	50.0	0.1			
Local Park	Park	4f_911_Park	Texas	N/A	32.755430	-97.357980	48.8	48.7	48.5	-0.2	48.4	48.2	-0.2			
Local Park	Park	4f_912_Park	Texas	N/A	32.744260	-97.428090	49.7	49.8	49.6	-0.2	49.9	49.7	-0.2			
Local Park	Park	4f_913_Park	Texas	N/A	32.742550	-97.411470	46.4	46.4	45.8	-0.6	46.4	45.7	-0.7			
Local Park	Park	4f_914_Park	Texas	N/A	32.729620	-97.038920	51.9	52.0	51.9	-0.1	52.3	52.2	-0.1			
Local Park	Park	4f_915_Park	Texas	N/A	32.738460	-97.408720	46.2	46.2	45.8	-0.4	46.2	45.8	-0.4			
Local Park	Park	4f_916_Park	Texas	N/A	32.732640	-97.349470	47.6	47.6	47.7	0.1	47.1	47.2	0.1			
Local Park	Park	4f_917_Park	Texas	N/A	32.729770	-97.103870	49.4	49.7	49.4	-0.3	50.0	49.7	-0.3			
Local Park	Park	4f_918_Park	Texas	N/A	32.728620	-97.122120	49.2	49.4	49.1	-0.3	49.7	49.4	-0.3			
Local Park	Park	4f_919_Park	Texas	N/A	32.622030	-97.289720	40.8	40.4	41.3	0.9	40.1	41.3	1.2			
Local Park	Park	4f_920_Park	Texas	N/A	32.572500	-97.042690	44.1	44.1	44.4	0.3	44.3	44.6	0.3			
Local Park	Park	4f_921_Park	Texas	N/A	32.567350	-97.122500	41.9	41.9	42.2	0.3	41.8	42.2	0.4			
Local Park	Park	4f_922_Park	Texas	N/A	32.724580	-97.232980	46.7	46.9	47.1	0.2	47.2	47.3	0.1			
Local Park	Park	4f_923_Park	Texas	N/A	32.718400	-97.420000	46.6	46.6	47.4	0.8	46.7	47.6	0.9			
Local Park	Park	4f_924_Park	Texas	N/A	32.712220	-97.200490	46.1	46.3	46.1	-0.2	46.6	46.3	-0.3			
Local Park	Park	4f_925_Park	Texas	N/A	32.704990	-97.334840	45.4	45.3	46.3	1.0	44.8	46.0	1.2			
Local Park	Park	4f_926_Park	Texas	N/A	32.699700	-97.316160	44.9	44.5	45.6	1.1	44.3	45.4	1.1			
Local Park	Park	4f_927_Park	Texas	N/A	32.688610	-97.179960	44.8	45.1	44.7	-0.4	45.4	44.9	-0.5			
Local Park	Park	4f_928_Park	Texas	N/A	32.938820	-97.083460	49.0	49.1	49.0	-0.1	49.5	49.4	-0.1			
Local Park	Park	4f_929_Park	Texas	N/A	32.905870	-97.114800	45.1	44.9	44.6	-0.3	45.4	45.0	-0.4			
Local Park	Park	4f_930_Park	Texas	N/A	32.894130	-97.107220	45.6	45.4	45.3	-0.1	45.7	45.5	-0.2			
Local Park	Park	4f_931_Park	Texas	N/A	32.880030	-97.240830	45.7	45.6	45.5	-0.1	45.6	45.5	-0.1			
Local Park	Park	4f_932_Park	Texas	N/A	32.841730	-97.182200	45.2	45.1	45.1	0.0	45.4	45.3	-0.1			

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Local Park	Park	4f_934_Park	Texas	N/A	32.826310	-97.389710	46.3	46.5	46.8	0.3	46.7	46.9
Local Park	Park	4f_935_Park	Texas	N/A	32.814450	-97.178400	47.3	47.4	47.5	0.1	47.7	47.7
Local Park	Park	4f_936_Park	Texas	N/A	32.813390	-97.149140	46.9	47.1	47.2	0.1	47.3	47.4
Local Park	Park	4f_937_Park	Texas	N/A	32.815490	-97.228930	47.5	47.6	47.5	-0.1	47.8	47.7
Local Park	Park	4f_938_Park	Texas	N/A	32.811820	-97.278360	48.7	48.8	48.6	-0.2	48.9	48.8
Local Park	Park	4f_939_Park	Texas	N/A	32.806120	-97.230450	48.1	48.3	48.2	-0.1	48.5	48.4
Local Park	Park	4f_940_Park	Texas	N/A	32.803230	-97.294180	49.0	49.1	48.8	-0.3	49.2	48.9
Local Park	Park	4f_941_Park	Texas	N/A	32.800330	-97.235380	48.5	48.7	48.7	0.0	48.9	48.9
Local Park	Park	4f_942_Park	Texas	N/A	32.797440	-97.358420	57.6	57.5	57.5	0.0	56.6	56.7
Local Park	Park	4f_943_Park	Texas	N/A	32.793480	-97.298260	48.9	49.0	48.7	-0.3	49.1	48.8
Local Park	Park	4f_944_Park	Texas	N/A	32.791600	-97.334740	47.5	47.6	47.7	0.1	47.7	47.8
Local Park	Park	4f_945_Park	Texas	N/A	32.809410	-96.962360	49.0	49.0	49.0	0.0	49.2	49.2
Local Park	Park	4f_946_Park	Texas	N/A	32.809090	-96.983670	53.3	53.4	53.3	-0.1	53.6	53.5
Local Park	Park	4f_947_Park	Texas	N/A	32.803230	-96.793720	56.7	57.1	57.2	0.1	57.9	58.0
Local Park	Park	4f_948_Park	Texas	N/A	32.800280	-96.783590	55.0	55.4	55.1	-0.3	56.1	55.7
Local Park	Park	4f_949_Park	Texas	N/A	32.737200	-97.031730	52.4	52.5	52.4	-0.1	52.8	52.8
Local Park	Park	4f_950_Park	Texas	N/A	32.723580	-96.847960	46.6	46.8	46.5	-0.3	47.1	46.7
Local Park	Park	4f_951_Park	Texas	N/A	32.733560	-97.035330	52.1	52.2	52.2	0.0	52.6	52.5
Local Park	Park	4f_952_Park	Texas	N/A	32.718600	-96.986430	47.9	48.1	47.7	-0.4	48.5	48.1
Local Park	Park	4f_953_Park	Texas	N/A	32.789860	-96.740740	50.3	50.5	49.8	-0.7	50.7	50.1
Local Park	Park	4f_954_Park	Texas	N/A	32.789780	-96.746880	51.0	51.3	50.5	-0.8	51.4	50.8
Local Park	Park	4f_955_Park	Texas	N/A	32.789030	-96.784190	55.8	56.1	56.7	0.6	56.9	57.4
Local Park	Park	4f_956_Park	Texas	N/A	32.778090	-96.808180	52.3	52.5	52.3	-0.2	53.3	53.1
Local Park	Park	4f_957_Park	Texas	N/A	32.777160	-96.797070	53.2	53.5	53.3	-0.2	54.3	53.9
Local Park	Park	4f_958_Park	Texas	N/A	32.776850	-96.836460	50.9	51.0	50.9	-0.1	51.5	51.3
Local Park	Park	4f_959_Park	Texas	N/A	32.774410	-96.748410	51.6	51.9	52.2	0.3	52.0	52.8
Local Park	Park	4f_960_Park	Texas	N/A	32.772260	-96.693630	47.1	47.2	47.2	0.0	47.5	47.6

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		Grid Point Location ID	State				E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change		
Local Park	Park	4f_961_Park	Texas	N/A	32.763800	-96.754640	52.1	52.4	53.6	1.2	52.8	53.7	0.9		
Local Park	Park	4f_962_Park	Texas	N/A	32.764920	-96.759180	52.7	53.0	54.1	1.1	53.4	54.2	0.8		
Local Park	Park	4f_963_Park	Texas	N/A	32.758580	-96.960370	53.3	53.4	53.4	0.0	53.6	53.6	0.0		
Local Park	Park	4f_964_Park	Texas	N/A	32.752580	-96.954970	52.1	52.3	52.3	0.0	52.5	52.5	0.0		
Local Park	Park	4f_965_Park	Texas	N/A	32.746560	-96.816050	48.8	49.0	48.7	-0.3	49.5	49.1	-0.4		
Local Park	Park	4f_966_Park	Texas	N/A	32.745500	-97.024120	52.8	52.9	52.9	0.0	53.2	53.2	0.0		
Local Park	Park	4f_967_Park	Texas	N/A	32.870960	-96.633500	46.9	46.8	45.5	-1.3	47.1	45.7	-1.4		
Local Park	Park	4f_968_Park	Texas	N/A	32.871570	-96.610130	46.8	46.8	45.3	-1.5	47.0	45.6	-1.4		
Local Park	Park	4f_969_Park	Texas	N/A	32.870600	-96.669000	46.9	46.9	45.5	-1.4	47.3	45.9	-1.4		
Local Park	Park	4f_970_Park	Texas	N/A	32.873360	-97.003520	53.2	53.2	53.2	0.0	53.5	53.4	-0.1		
Local Park	Park	4f_971_Park	Texas	N/A	32.870640	-97.003970	53.5	53.4	53.4	0.0	53.7	53.6	-0.1		
Local Park	Park	4f_972_Park	Texas	N/A	32.860870	-96.977070	46.9	46.6	46.2	-0.4	47.0	46.5	-0.5		
Local Park	Park	4f_973_Park	Texas	N/A	32.854350	-96.863880	67.5	67.9	67.9	0.0	69.1	69.0	-0.1		
Local Park	Park	4f_974_Park	Texas	N/A	32.852430	-96.842420	55.7	56.1	56.1	0.0	57.0	56.9	-0.1		
Local Park	Park	4f_975_Park	Texas	N/A	32.851680	-96.839020	54.3	54.7	54.6	-0.1	55.6	55.5	-0.1		
Local Park	Park	4f_976_Park	Texas	N/A	32.843970	-97.000350	54.0	54.1	53.9	-0.2	54.3	54.2	-0.1		
Local Park	Park	4f_977_Park	Texas	N/A	32.840410	-96.581420	45.4	45.3	45.4	0.1	45.5	45.6	0.1		
Local Park	Park	4f_978_Park	Texas	N/A	32.832560	-96.561360	45.0	44.9	45.2	0.3	45.1	45.4	0.3		
Local Park	Park	4f_979_Park	Texas	N/A	32.834510	-96.790940	48.8	49.0	48.5	-0.5	49.6	49.1	-0.5		
Local Park	Park	4f_980_Park	Texas	N/A	32.828830	-96.793250	50.0	50.3	49.8	-0.5	51.1	50.6	-0.5		
Local Park	Park	4f_981_Park	Texas	N/A	32.827830	-96.791540	49.9	50.2	49.7	-0.5	51.0	50.5	-0.5		
Local Park	Park	4f_982_Park	Texas	N/A	32.827040	-96.975360	48.2	48.1	47.9	-0.2	48.4	48.2	-0.2		
Local Park	Park	4f_983_Park	Texas	N/A	32.824250	-96.920930	48.9	48.9	49.0	0.1	49.3	49.4	0.1		
Local Park	Park	4f_984_Park	Texas	N/A	32.817580	-97.000930	58.5	58.6	58.5	-0.1	58.8	58.6	-0.2		
Local Park	Park	4f_985_Park	Texas	N/A	32.810110	-96.642570	46.6	46.7	46.3	-0.4	47.3	46.6	-0.7		
Local Park	Park	4f_986_Park	Texas	N/A	32.826620	-96.834810	67.2	67.6	67.7	0.1	69.0	69.1	0.1		
Local Park	Park	4f_987_Park	Texas	N/A	32.826530	-96.801280	52.4	52.8	52.2	-0.6	53.7	53.2	-0.5		

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		Grid Point Location ID	State	Area (Acres)			E.C.	N.A.	P.A.	Change	N.A.	P.A.
Local Park	Park	4f_988_Park	Texas	N/A	32.825220	-96.797860	51.9	52.2	51.6	-0.6	53.2	52.6
Local Park	Park	4f_989_Park	Texas	N/A	32.694080	-96.835180	45.5	45.8	45.0	-0.8	46.3	45.4
Local Park	Park	4f_990_Park	Texas	N/A	32.750870	-97.023930	53.1	53.3	53.3	0.0	53.6	53.6
Local Park	Park	4f_991_Park	Texas	N/A	32.702480	-96.989580	47.7	47.9	47.6	-0.3	48.3	48.0
Local Park	Park	4f_992_Park	Texas	N/A	32.700050	-96.985980	47.4	47.7	47.3	-0.4	48.1	47.7
Local Park	Park	4f_993_Park	Texas	N/A	32.691980	-96.642040	40.3	40.2	44.1	3.9	40.5	44.6
Local Park	Park	4f_994_Park	Texas	N/A	32.671850	-96.839120	44.8	45.0	44.1	-0.9	45.5	44.4
Local Park	Park	4f_995_Park	Texas	N/A	32.667030	-96.603370	37.2	37.2	41.8	4.6	37.1	42.3
Local Park	Park	4f_996_Park	Texas	N/A	32.656850	-96.901760	43.1	43.4	42.3	-1.1	43.9	42.7
Local Park	Park	4f_997_Park	Texas	N/A	32.650030	-96.929500	42.5	42.6	42.4	-0.2	43.1	42.9
Local Park	Park	4f_998_Park	Texas	N/A	32.585310	-96.849800	40.6	40.8	40.5	-0.3	41.8	41.3
Local Park	Park	4f_999_Park	Texas	N/A	32.932690	-96.456980	45.2	45.2	44.8	-0.4	45.4	45.0
Local Park	Park	4f_1000_Park	Texas	N/A	32.446890	-97.784070	29.1	29.3	26.7	-2.6	29.5	26.9
Local Park	Park	4f_1001_Park	Texas	N/A	32.441780	-97.783560	28.8	28.9	26.7	-2.2	29.1	26.8
Local Park	Park	4f_1002_Park	Texas	N/A	32.552540	-97.332420	36.9	36.5	35.5	-1.0	36.2	35.0
Local Park	Park	4f_1003_Park	Texas	N/A	32.347710	-97.367520	31.4	31.0	32.0	1.0	31.1	32.3
Local Park	Park	4f_1004_Park	Texas	N/A	32.330070	-97.407740	30.6	30.0	32.1	2.1	30.0	32.3
Local Park	Park	4f_1005_Park	Texas	N/A	32.399350	-96.838050	38.0	38.1	37.9	-0.2	38.8	38.7
Local Park	Park	4f_1006_Park	Texas	N/A	32.324690	-96.628160	30.2	30.3	28.8	-1.5	30.5	29.0
Local Park	Park	4f_1007_Park	Texas	N/A	32.239050	-97.742530	27.9	27.9	26.9	-1.0	28.2	27.3
Local Park	Parkdale Park	4f_1008_Parkdale	Texas	18.7	32.775580	-96.715370	48.5	48.7	48.5	-0.2	49.1	49.1
NRHP	Parker County Courthouse	H_268_ParkerCo	Texas	N/A	32.759056	-97.797361	43.0	43.0	40.3	-2.7	43.3	40.6
Local Park	Parkhill Park	4f_1009_Parkhill	Texas	10.1	32.650880	-97.011990	45.6	45.8	45.8	0.0	46.2	46.2
Local Park	Parscall Park	4f_1010_Parscall	Texas	63.2	32.758660	-96.611850	45.3	45.4	45.7	0.3	45.8	46.4
Local Park	Pate Park	4f_1011_PatePark	Texas	10.4	32.707510	-97.254790	45.6	45.7	46.0	0.3	45.9	46.2
NRHP	Patrick, Marshall T., House	H_269_PatrickM	Texas	N/A	32.395583	-96.855250	39.0	39.2	39.0	-0.2	40.0	39.8
Local Park	Patriot Park	4f_1012_PatriotP	Texas	15.2	33.013230	-96.737000	44.6	44.6	44.7	0.1	45.1	45.8

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NRHP	Patterson, Stanley, Hall	H_270_Patterso	Texas	N/A	32.843583	-96.782500	47.3	47.4	46.9	-0.5	47.7	47.2	-0.5			
Local Park	Paw Paw Creek Resort Park	4f_1013_PawPawCr	Texas	110.5	33.848450	-96.883370	36.8	36.5	36.4	-0.1	36.6	36.6	0.0			
NRHP Texas Hist. Comm.	Payne, M. S., House	H_271_PayneMSH	Texas	N/A	32.404278	-96.858667	39.3	39.6	39.1	-0.5	40.4	40.0	-0.4			
	Peak's Suburban Addition Historic District	H_445_PeaksSub	Texas	N/A	32.797170	-96.772297	53.6	53.9	53.3	-0.6	54.2	53.6	-0.6			
Local Park	Peavy Park	4f_1014_PeavyPar	Texas	3	32.932590	-96.651080	45.0	45.0	44.2	-0.8	45.3	44.5	-0.8			
Local Park	Pecan Grove Park	4f_1015_PecanGro	Texas	8.6	32.706530	-96.877300	46.9	47.1	46.7	-0.4	47.2	46.8	-0.4			
Local Park	Pecan Valley Park	Pri19693	Texas	542.7	32.653598	-97.451430	40.5	40.6	41.8	1.2	40.8	42.1	1.3			
Local Park	Pecan Valley Park	4f_1016_PecanVal	Texas	542.7	32.659520	-97.466770	39.4	39.5	41.8	2.3	39.7	42.1	2.4			
Local Park	Pelham Park	4f_1017_PelhamPa	Texas	18.8	33.551310	-97.833000	32.1	32.1	32.3	0.2	32.7	33.2	0.5			
Local Park	Pemberton Hill Park	4f_1018_Pemberto	Texas	12.4	32.718770	-96.711140	45.4	45.4	48.7	3.3	46.1	49.2	3.1			
NRHP	Perkins Hall of Administration	H_272_PerkinsH	Texas	N/A	32.844889	-96.786056	47.4	47.4	46.9	-0.5	47.8	47.3	-0.5			
Local Park Texas Hist. Comm.	Peter Pan Park	4f_1019_PeterPan	Texas	6.9	32.891230	-96.852510	45.3	45.3	45.2	-0.1	45.8	45.7	-0.1			
	Petroleum Building	H_400_Petroleu	Texas	N/A	32.754637	-97.332042	47.3	47.4	47.1	-0.3	47.4	47.1	-0.3			
NRHP	Phillips, E. F., House	H_273_Philiips	Texas	N/A	32.396611	-96.852889	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2			
Local Park	Phoenix Park	4f_1020_PhoenixP	Texas	6.8	33.211040	-97.119760	41.7	41.7	41.8	0.1	41.9	42.0	0.1			
Local Park	Pickering Park	4f_1021_Pickerin	Texas	6.9	32.964910	-97.115630	44.9	45.0	44.9	-0.1	45.3	45.2	-0.1			
Local Park	Pierce Park	4f_1022_PiercePa	Texas	1.6	32.328750	-96.627530	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7			
Local Park	Pike Park	4f_1023_PikePark	Texas	1.8	32.793570	-96.809810	54.8	55.2	55.1	-0.1	56.4	56.2	-0.2			
Local Park	Pilot Knolls Park	4f_1024_PilotKno	Texas	253.9	33.104640	-97.072630	46.0	46.1	46.0	-0.1	46.5	46.3	-0.2			
Local Park	Pioneer Park	4f_1025_PioneerP	Texas	211.3	33.059780	-96.739760	43.9	43.5	44.3	0.8	44.0	44.5	0.5			
Local Park	Pleasant Oaks Park	4f_1026_Pleasant	Texas	22.7	32.751570	-96.672080	45.8	45.8	46.1	0.3	46.2	46.5	0.3			
Local Park	Plowman Creek Park	Pri18641	Texas	256.4	32.060221	-97.497119	24.1	23.9	25.8	1.9	23.8	25.9	2.1			
Local Park	Plowman Creek Park	4f_1027_PlowmanC	Texas	256.4	32.068120	-97.495320	24.2	23.9	25.9	2.0	23.9	26.0	2.1			
NRHP	Plumhoff House	H_274_Plumhoff	Texas	N/A	32.380028	-96.853278	38.8	38.9	39.0	0.1	39.6	39.7	0.1			
Local Park	Polk Park	4f_1028_PolkPark	Texas	1.3	32.841050	-96.831650	61.1	61.5	61.0	-0.5	62.3	61.8	-0.5			
NRHP	Pollock-Capps House	H_275_PollockC	Texas	N/A	32.747083	-97.342806	48.2	48.2	47.8	-0.4	48.0	47.6	-0.4			
Texas Hist.	Ponton, Dr. Arvel and Faye,	H_417_PontonDr	Texas	N/A	32.730735	-97.356528	47.1	47.0	47.1	0.1	46.5	46.7	0.2			

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			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change			
Comm.	House															
National Historic Landmark	Porter Farm	NNL_5_Porter	Texas	70	32.772912	-96.277527	42.6	42.8	42.8	0.0	43.1	43.2	0.1			
Local Park	Porter Park	4f_1029_PorterPa	Texas	2.5	32.969020	-96.890660	46.9	47.0	47.5	0.5	47.6	47.7	0.1			
Texas Hist. Comm.	Porter, Walter C., Farm	H_473_PorterWa	Texas	N/A	32.779285	-96.274648	42.1	42.2	43.0	0.8	42.5	43.4	0.9			
State Park	Possum Kingdom State Park	4F_24_22_Possum	Texas	1528.7	32.868590	-98.565550	36.6	36.7	34.5	-2.2	37.1	34.9	-2.2			
State Park	Possum Kingdom State Park	Sec2482	Texas	1855.8	32.864159	-98.572604	36.6	36.7	34.4	-2.3	37.0	34.8	-2.2			
State Park	Possum Kingdom State Park	Sec2483	Texas	1855.8	32.880651	-98.572618	36.3	36.4	34.6	-1.8	36.8	34.9	-1.9			
NRHP	Post Office Building	H_276_PostOffi	Texas	N/A	33.140139	-96.110556	42.4	42.4	40.0	-2.4	42.8	40.4	-2.4			
Local Park	Prairie Creek Park	4f_1030_PrairieC	Texas	42.3	32.983110	-96.719920	45.2	45.2	45.6	0.4	45.2	45.4	0.2			
Local Park	Prairie Dog Park	4f_1031_PrairieD	Texas	38.3	32.686380	-97.258160	44.4	44.4	44.6	0.2	44.7	44.7	0.0			
Local Park	Public Beach Park	4f_1032_PublicBe	Texas	114.2	33.078900	-96.456000	41.1	40.8	40.1	-0.7	41.1	40.5	-0.6			
State Park	Purtis Creek State Park	4F_26_23_Purtis	Texas	1546.1	32.362780	-95.993710	23.4	23.6	25.1	1.5	23.9	26.6	2.7			
State Park	Purtis Creek State Park	Sec26741	Texas	1546.1	32.360793	-96.007020	23.4	23.6	25.3	1.7	23.9	27.0	3.1			
State Park	Purtis Creek State Park	Sec26925	Texas	1546.1	32.360400	-95.987594	23.4	23.6	25.1	1.5	24.0	26.7	2.7			
Texas Hist. Comm.	Purvin--Hexter Building	H_425_PurvinHe	Texas	N/A	32.782839	-96.793465	54.5	54.9	55.0	0.1	55.9	55.9	0.0			
Texas Hist. Comm.	Queen City Heights Historic District	H_454_QueenCit	Texas	N/A	32.760320	-96.763518	52.2	52.5	53.3	0.8	52.9	53.5	0.6			
Local Park	R J McLinnish Park	Pri32471	Texas	168.5	32.961604	-96.939100	45.0	44.9	44.8	-0.1	45.3	44.9	-0.4			
Local Park	R J McLinnish Park	4f_1033_RJMclnni	Texas	168.5	32.959850	-96.940110	45.0	45.0	44.7	-0.3	45.4	44.9	-0.5			
NRHP	Ralston, Mary, House	H_277_RalstonM	Texas	N/A	32.398444	-96.853917	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3			
Local Park	Randall Park	4f_1034_RandallP	Texas	15.8	32.803930	-96.751140	50.2	50.3	49.5	-0.8	50.6	49.8	-0.8			
NRHP	Randlett House	H_278_Randlett	Texas	N/A	32.590667	-96.755972	38.3	38.5	39.9	1.4	38.8	40.7	1.9			
Local Park	Randol Mill Park	4f_1035_RandolMi	Texas	161.6	32.757330	-97.138210	52.7	52.9	52.8	-0.1	53.1	53.1	0.0			
Local Park	Range Park	4f_1036_RangePar	Texas	5.6	32.800270	-96.658850	46.6	46.8	46.7	-0.1	47.2	47.3	0.1			
NRHP	Ransom House	H_279_RansomHo	Texas	N/A	32.330250	-96.631611	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6			
NRHP	Raphael House	H_280_RaphaelH	Texas	N/A	32.326083	-96.631306	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5			
Local Park	Rawhide Park	4f_1037_RawhideP	Texas	39.9	32.931040	-96.877780	48.9	49.2	50.2	1.0	50.1	52.5	2.4			

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Type of Resource	Site Name	Location		Area (Acres)	Latitude	Longitude	2011			2014			2019		
		Grid Point Location ID	State				E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change		
NRHP	Rawlins, Capt. R. A., House	H_281_RawlinsC	Texas	N/A	32.580444	-96.756278	37.6	37.8	39.2	1.4	38.3	40.1	1.8		
State Park	Ray Roberts Lake State Park - Buck Creek	4F_9_24_RayRob	Texas	46.1	33.444410	-96.926480	39.2	39.3	39.7	0.4	39.8	40.4	0.6		
State Park	Ray Roberts Lake State Park - Elm Fork	Pri29823	Texas	477.1	33.350418	-97.040300	41.1	41.1	40.8	-0.3	41.4	41.1	-0.3		
State Park	Ray Roberts Lake State Park - Elm Fork	Pri30069	Texas	477.1	33.358548	-97.030339	40.7	40.8	40.5	-0.3	41.1	40.9	-0.2		
State Park	Ray Roberts Lake State Park - Elm Fork	4F_18_25_RayRob	Texas	477.1	33.352680	-97.038350	40.9	41.0	40.7	-0.3	41.3	41.0	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29322	Texas	3952.1	33.259954	-97.061427	42.4	42.5	42.3	-0.2	42.6	42.4	-0.2		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29568	Texas	3952.1	33.268085	-97.051478	42.2	42.2	41.9	-0.3	42.3	42.0	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29810	Texas	3952.1	33.243237	-97.042072	42.2	42.2	42.1	-0.1	42.4	42.3	-0.1		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29811	Texas	3952.1	33.251482	-97.041936	42.0	42.1	41.9	-0.2	42.3	42.1	-0.2		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29812	Texas	3952.1	33.259727	-97.041800	42.0	42.0	41.8	-0.2	42.2	41.9	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29813	Texas	3952.1	33.267971	-97.041664	41.9	41.9	41.7	-0.2	42.1	41.8	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29814	Texas	3952.1	33.276216	-97.041527	41.8	41.8	41.5	-0.3	42.0	41.7	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29815	Texas	3952.1	33.284461	-97.041391	41.7	41.7	41.5	-0.2	41.9	41.6	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29817	Texas	3952.1	33.300950	-97.041118	41.5	41.5	41.2	-0.3	41.8	41.4	-0.4		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri29818	Texas	3952.1	33.309195	-97.040982	41.3	41.4	41.2	-0.2	41.7	41.4	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30055	Texas	3952.1	33.243122	-97.032260	41.9	42.0	41.8	-0.2	42.3	42.1	-0.2		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30056	Texas	3952.1	33.251367	-97.032123	41.8	41.9	41.7	-0.2	42.1	41.8	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30057	Texas	3952.1	33.259612	-97.031986	41.7	41.8	41.5	-0.3	42.0	41.7	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30058	Texas	3952.1	33.267856	-97.031849	41.6	41.6	41.4	-0.2	41.9	41.6	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30064	Texas	3952.1	33.317325	-97.031026	40.9	41.0	40.8	-0.2	41.4	41.1	-0.3		
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30066	Texas	3952.1	33.333814	-97.030751	40.9	40.9	40.6	-0.3	41.2	41.0	-0.2		

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Type of Resource	Site Name	Grid Point Location ID	Location			Latitude	Longitude	2011			2014			2019		
			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change			
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30067	Texas	3952.1	33.342059	-97.030613	40.8	40.9	40.6	-0.3	41.2	41.0	-0.2			
State Park	Ray Roberts Lake State Park - Greenbelt	Pri30301	Texas	3952.1	33.251251	-97.022311	41.6	41.7	41.4	-0.3	42.0	41.7	-0.3			
State Park	Ray Roberts Lake State Park - Greenbelt	4F_20_26_RayRob	Texas	3952.1	33.269990	-97.039160	41.8	41.8	41.5	-0.3	42.0	41.7	-0.3			
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30317	Texas	1407.3	33.383166	-97.020099	40.0	40.1	40.0	-0.1	40.4	40.4	0.0			
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30318	Texas	1407.3	33.391411	-97.019960	39.9	39.9	39.9	0.0	40.2	40.3	0.1			
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30560	Texas	1407.3	33.366560	-97.010550	40.3	40.4	40.1	-0.3	40.8	40.6	-0.2			
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30561	Texas	1407.3	33.374805	-97.010411	40.2	40.2	40.0	-0.2	40.6	40.4	-0.2			
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30562	Texas	1407.3	33.383050	-97.010271	39.9	40.0	39.9	-0.1	40.4	40.3	-0.1			
State Park	Ray Roberts Lake State Park - Isle du Bois	Pri30563	Texas	1407.3	33.391294	-97.010132	39.8	39.8	39.7	-0.1	40.2	40.1	-0.1			
State Park	Ray Roberts Lake State Park - Isle du Bois	4F_14_0_RayRob	Texas	1407.3	33.376690	-97.018090	40.1	40.2	40.1	-0.1	40.6	40.5	-0.1			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29337	Texas	1696.8	33.383624	-97.059409	41.7	41.7	41.5	-0.2	41.9	41.7	-0.2			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29340	Texas	1696.8	33.408358	-97.059004	41.3	41.2	41.4	0.2	41.3	41.5	0.2			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29341	Texas	1696.8	33.416603	-97.058869	41.2	41.1	41.3	0.2	41.2	41.5	0.3			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29342	Texas	1696.8	33.424847	-97.058734	41.1	41.0	41.3	0.3	41.1	41.5	0.4			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29343	Texas	1696.8	33.433092	-97.058599	41.0	40.9	41.3	0.4	41.0	41.6	0.6			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29585	Texas	1696.8	33.408245	-97.049174	40.7	40.7	40.9	0.2	40.8	41.1	0.3			
State Park	Ray Roberts Lake State Park - Johnson Branch	Pri29832	Texas	1696.8	33.424619	-97.039070	40.1	40.0	40.3	0.3	40.1	40.6	0.5			
State Park	Ray Roberts Lake State Park - Johnson Branch	4F_10_0_RayRob	Texas	1696.8	33.412600	-97.053570	41.0	40.8	41.0	0.2	41.0	41.3	0.3			
State Park	Ray Roberts Lake State Park - Jordan	Pri30564	Texas	600.4	33.399539	-97.009993	39.6	39.6	39.6	0.0	40.0	39.9	-0.1			
State Park	Ray Roberts Lake State Park - Jordan	Pri30809	Texas	600.4	33.399421	-97.000163	39.7	39.7	39.5	-0.2	40.0	39.9	-0.1			
State Park	Ray Roberts Lake State Park - Jordan	Pri31055	Texas	600.4	33.407548	-96.990193	39.6	39.6	39.5	-0.1	40.1	39.9	-0.2			

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
State Park	Ray Roberts Lake State Park - Jordan	Pri31301	Texas	600.4	33.415673	-96.980221	39.7	39.7	39.7	0.0	40.2	40.1	-0.1
State Park	Ray Roberts Lake State Park - Jordan	4F_11_0_RayRob	Texas	600.4	33.411280	-96.990080	39.5	39.6	39.5	-0.1	39.9	39.8	-0.1
State Park	Ray Roberts Lake State Park - Pecan Creek	4F_12_0_RayRob	Texas	7.7	33.429760	-97.102120	43.5	43.5	43.5	0.0	43.5	43.6	0.1
State Park	Ray Roberts Lake State Park - Pond Creek	4F_16_0_RayRob	Texas	10	33.387030	-97.107000	43.2	43.2	42.9	-0.3	43.2	42.9	-0.3
State Park	Sanger	Pri28111	Texas	44.4	33.375936	-97.108677	43.1	43.1	42.8	-0.3	43.1	42.7	-0.4
State Park	Ray Roberts Lake State Park - Sanger	4F_17_0_RayRob	Texas	44.4	33.377870	-97.108450	43.2	43.1	42.8	-0.3	43.2	42.8	-0.4
State Park	Ray Roberts Lake State Park - Trial Corridor	4F_13_0_RayRob	Texas	471.4	33.387740	-96.992390	39.9	40.0	39.8	-0.2	40.4	40.2	-0.2
NRHP	Ray, M. B., House	H_282_RayMBHou	Texas	N/A	32.389667	-96.848167	38.6	38.7	38.6	-0.1	39.4	39.4	0.0
Texas Hist. Comm.	Rayburn, Sam, Library and Museum	H_283_RayburnS	Texas	N/A	33.578200	-96.187300	30.5	30.5	26.9	-3.6	30.9	27.9	-3.0
Texas Hist. Comm.	Rayburn, Sam, Library and Museum	H_428_RayburnS	Texas	N/A	33.580072	-96.187955	30.4	30.5	26.8	-3.7	30.9	27.8	-3.1
National Historic Landmark	Rayburn, Samuel T., House	NNL_6_Raybur	Texas	2.5	33.569913	-96.207512	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2
NRHP	Rayburn, Samuel T., House	H_284_RayburnS	Texas	N/A	33.569833	-96.207444	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2
Local Park	Recreation Area	Sec17451	Texas	8137	33.926785	-96.971351	37.4	37.3	37.4	0.1	37.4	37.6	0.2
Local Park	Recreation Area	Sec17636	Texas	8137	33.943029	-96.951283	36.9	36.8	36.9	0.1	36.9	37.1	0.2
Local Park	Recreation Area	Pri28399	Texas	8137	33.730327	-97.093191	40.4	40.3	40.4	0.1	40.4	40.5	0.1
Local Park	Recreation Area	Pri28406	Texas	8137	33.788032	-97.092265	39.4	39.4	39.4	0.0	39.4	39.5	0.1
Local Park	Recreation Area	Pri28407	Texas	8137	33.796276	-97.092133	39.2	39.2	39.3	0.1	39.3	39.4	0.1
Local Park	Recreation Area	Pri28646	Texas	8137	33.746703	-97.083059	40.4	40.3	40.4	0.1	40.3	40.5	0.2
Local Park	Recreation Area	Pri28647	Texas	8137	33.754947	-97.082925	40.2	40.1	40.2	0.1	40.2	40.4	0.2
Local Park	Recreation Area	Pri28648	Texas	8137	33.763190	-97.082792	40.1	40.0	40.1	0.1	40.1	40.2	0.1
Local Park	Recreation Area	Pri28652	Texas	8137	33.796165	-97.082259	39.6	39.5	39.6	0.1	39.6	39.7	0.1
Local Park	Recreation Area	Pri28653	Texas	8137	33.804408	-97.082126	39.5	39.4	39.5	0.1	39.5	39.6	0.1
Local Park	Recreation Area	Pri28658	Texas	8137	33.845625	-97.081459	38.7	38.7	38.8	0.1	38.8	38.9	0.1
Local Park	Recreation Area	Pri28659	Texas	8137	33.853868	-97.081326	38.6	38.6	38.6	0.0	38.7	38.8	0.1

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Type of Resource	Site Name	Grid Point Location ID	Location			Latitude	Longitude	2011		2014		2019	
			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Recreation Area	Pri28898	Texas	8137	33.804296	-97.072251	39.7	39.6	39.7	0.1	39.7	39.8	0.1
Local Park	Recreation Area	Pri28899	Texas	8137	33.812540	-97.072117	39.5	39.5	39.5	0.0	39.6	39.7	0.1
Local Park	Recreation Area	Pri28903	Texas	8137	33.845513	-97.071580	39.0	39.0	39.1	0.1	39.1	39.2	0.1
Local Park	Recreation Area	Pri28904	Texas	8137	33.853757	-97.071446	38.9	38.8	38.9	0.1	38.9	39.0	0.1
Local Park	Recreation Area	Pri29143	Texas	8137	33.804184	-97.062377	39.8	39.7	39.8	0.1	39.8	39.9	0.1
Local Park	Recreation Area	Pri29144	Texas	8137	33.812428	-97.062242	39.7	39.6	39.7	0.1	39.7	39.8	0.1
Local Park	Recreation Area	Pri29149	Texas	8137	33.853644	-97.061566	39.1	39.0	39.1	0.1	39.1	39.3	0.2
Local Park	Recreation Area	Pri29388	Texas	8137	33.804071	-97.052502	39.8	39.7	39.8	0.1	39.8	40.0	0.2
Local Park	Recreation Area	Pri29389	Texas	8137	33.812314	-97.052366	39.7	39.6	39.7	0.1	39.7	39.8	0.1
Local Park	Recreation Area	Pri29393	Texas	8137	33.845288	-97.051822	39.3	39.2	39.3	0.1	39.3	39.5	0.2
Local Park	Recreation Area	Pri29637	Texas	8137	33.836930	-97.042079	39.3	39.2	39.3	0.1	39.3	39.5	0.2
Local Park	Recreation Area	Pri29882	Texas	8137	33.836816	-97.032201	39.2	39.1	39.2	0.1	39.2	39.4	0.2
Local Park	Recreation Area	Pri30127	Texas	8137	33.836700	-97.022323	38.9	38.9	39.0	0.1	39.0	39.2	0.2
Local Park	Recreation Area	Pri30128	Texas	8137	33.844943	-97.022184	38.9	38.8	39.0	0.2	39.0	39.2	0.2
Local Park	Recreation Area	Pri30371	Texas	8137	33.828340	-97.012585	38.6	38.7	38.8	0.1	38.7	38.9	0.2
Local Park	Recreation Area	Pri30372	Texas	8137	33.836584	-97.012445	38.7	38.6	38.8	0.2	38.7	38.9	0.2
Local Park	Recreation Area	Pri30373	Texas	8137	33.844827	-97.012305	38.6	38.6	38.7	0.1	38.7	38.9	0.2
Local Park	Recreation Area	Pri30374	Texas	8137	33.853070	-97.012165	38.6	38.5	38.7	0.2	38.7	38.9	0.2
Local Park	Recreation Area	Pri30620	Texas	8137	33.861196	-97.002144	38.3	38.2	38.4	0.2	38.3	38.6	0.3
Local Park	Recreation Area	Pri30865	Texas	8137	33.861078	-96.992263	38.0	37.9	38.1	0.2	38.0	38.2	0.2
Local Park	Recreation Area	Pri30866	Texas	8137	33.869322	-96.992121	38.0	37.9	38.1	0.2	38.0	38.3	0.3
Local Park	Recreation Area	Pri31110	Texas	8137	33.860960	-96.982382	37.7	37.7	37.8	0.1	37.7	37.8	0.1
Local Park	Recreation Area	Pri31112	Texas	8137	33.877446	-96.982096	37.7	37.6	37.8	0.2	37.7	37.9	0.2
Local Park	Recreation Area Rector Road Bridge at Clear Creek	4f_1038_Recreati	Texas	8137	33.903250	-96.980310	37.6	37.5	37.7	0.2	37.6	37.8	0.2
NRHP		H_285_RectorRo	Texas	N/A	33.330500	-97.148800	41.9	41.9	41.7	-0.2	41.9	41.7	-0.2
Local Park	Red Bird Park	4f_1039_RedBirdP	Texas	28.7	32.683950	-96.853670	45.4	45.6	44.8	-0.8	45.9	44.9	-1.0
NRHP	Reinmiller, W. B., House	H_286_Reinmill	Texas	N/A	32.391389	-96.842389	38.2	38.4	38.3	-0.1	39.1	39.0	-0.1

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		Grid Point Location ID	State	Area (Acres)	Latitude	Longitude	E.C.	N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Renner Park	4f_1040_RennerPa	Texas	4.1	32.733940	-96.801960	48.1	48.3	47.8	-0.5	48.9	48.2	-0.7
Texas Hist. Comm.	Republic National Bank	H_424_1926Repu	Texas	N/A	32.782476	-96.801011	53.6	53.9	53.7	-0.2	54.9	54.6	-0.3
NRHP	Republic National Bank	H_287_Republic	Texas	N/A	32.783100	-96.797200	54.1	54.5	54.4	-0.1	55.5	55.3	-0.2
Local Park	Reverchon Park	4f_1041_Revercho	Texas	66.3	32.801340	-96.810160	57.9	58.3	58.5	0.2	59.7	59.9	0.2
NRHP	Rhea, John C., House	H_288_RheaJohn	Texas	N/A	33.204028	-96.621222	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
Local Park	Richards Park	4f_1042_Richards	Texas	8.8	32.385710	-96.855510	38.9	39.1	39.0	-0.1	39.8	39.8	0.0
Local Park	Richfield Park	4f_1043_Richfiel	Texas	38	32.865210	-97.225950	45.3	45.2	45.1	-0.1	45.4	45.3	-0.1
Local Park	Ridgewood Park	4f_1044_Ridgewoo	Texas	10.1	32.846360	-96.744420	47.2	47.2	46.3	-0.9	47.5	46.7	-0.8
Local Park	River Legacy Park	4f_1045_RiverLeg	Texas	116.8	32.789540	-97.114600	52.0	52.2	52.3	0.1	52.5	52.6	0.1
Local Park	Rivercrest Park	4f_1046_Rivercre	Texas	17.8	32.926280	-96.603820	45.8	45.8	44.6	-1.2	46.1	45.1	-1.0
NRHP	Riverside Public School	H_289_Riversid	Texas	N/A	32.758333	-97.305556	47.7	47.7	47.4	-0.3	47.7	47.5	-0.2
Local Park	Robert E Lee Park	4f_1047_RobertEL	Texas	52.9	32.819860	-96.799800	54.5	54.8	54.1	-0.7	55.7	55.1	-0.6
NRHP	Roberts, Dr. Rufus A., House	H_290_RobertsD	Texas	N/A	32.588111	-96.957417	42.0	42.2	42.5	0.3	42.6	43.0	0.4
Local Park	Robertson Park	Pri42996	Texas	128.4	32.873179	-96.520408	45.3	45.2	45.4	0.2	45.4	45.8	0.4
Local Park	Robertson Park	4f_1048_Robertso	Texas	128.4	32.871820	-96.517640	45.2	45.1	45.4	0.3	45.3	45.8	0.5
Local Park	Rochester Park	Pri37343	Texas	1057.4	32.728140	-96.748063	47.4	47.6	48.2	0.6	48.1	48.6	0.5
Local Park	Rochester Park	Pri37588	Texas	1057.4	32.728002	-96.738308	46.9	47.0	48.6	1.6	47.5	49.1	1.6
Local Park	Rochester Park	Pri37590	Texas	1057.4	32.744492	-96.737981	49.1	49.4	51.2	1.8	50.0	51.5	1.5
Local Park	Rochester Park	4f_1049_Rocheste	Texas	1057.4	32.734730	-96.744570	48.0	48.2	49.3	1.1	48.7	49.8	1.1
Local Park	Rock Creek Camp Park	Pri33315	Texas	517.3	33.859856	-96.893455	36.9	36.6	36.5	-0.1	36.6	36.5	-0.1
Local Park	Rock Creek Camp Park	4f_1050_RockCree	Texas	517.3	33.868910	-96.890720	36.9	36.6	36.5	-0.1	36.6	36.4	-0.2
NRHP	Rockett, Paris Q., House	H_291_RockettP	Texas	N/A	32.402028	-96.852750	39.0	39.2	38.8	-0.4	40.0	39.7	-0.3
Local Park	Rockledge Park	Pri29533	Texas	153.1	32.979509	-97.056200	61.1	61.5	61.5	0.0	62.1	62.1	0.0
Local Park	Rockledge Park	4f_1051_Rockledg	Texas	153.1	32.982360	-97.056610	60.6	60.9	61.0	0.1	61.5	61.5	0.0
Local Park	Rockwood Park	4f_1052_Rockwood	Texas	40	32.767460	-97.363070	48.3	48.3	48.3	0.0	48.1	48.1	0.0
Local Park	Rocky Creek Park	Pri19686	Texas	366.7	32.595877	-97.452111	33.9	33.9	35.5	1.6	34.0	35.7	1.7
Local Park	Rocky Creek Park	4f_1053_RockyCre	Texas	366.7	32.605520	-97.455300	34.6	34.6	36.2	1.6	34.7	36.4	1.7

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Type of Resource	Site Name	Grid Point Location ID	Location			Latitude	Longitude	2011		2014		2019	
			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Rodeo Park	4f_1054_RodeoPar	Texas	11.3	32.793110	-97.351560	52.9	52.8	52.8	0.0	52.3	52.4	0.1
Local Park	Roger Maise Park	4f_1055_RogerMai	Texas	7.9	32.340230	-96.623590	28.9	29.0	27.4	-1.6	29.1	27.5	-1.6
NRHP	Rogers-O'Daniel House	H_292_RogersOD	Texas	N/A	32.709833	-97.347639	45.4	45.2	46.3	1.1	44.9	46.1	1.2
Local Park	Rolling Hills Park	4f_1056_RollingH	Texas	65	32.673250	-97.285940	43.2	42.9	43.5	0.6	42.9	43.5	0.6
Texas Hist. Comm.	Romine Avenue Historic District	H_455_RomineAv	Texas	N/A	32.758944	-96.765295	51.9	52.2	52.9	0.7	52.7	53.2	0.5
Local Park	Roosevelt Park	4f_1057_Roosevel	Texas	16.7	32.746310	-96.720740	47.7	47.9	49.8	1.9	48.4	50.0	1.6
Local Park	Rose Park	4f_1058_RosePark	Texas	6.1	32.866170	-96.601810	46.7	46.7	45.2	-1.5	46.9	45.5	-1.4
Local Park	Rosedale Park	4f_1059_Rosedale	Texas	5.7	33.627060	-96.591680	35.0	35.1	34.9	-0.2	35.5	35.2	-0.3
Local Park	Rosedale Park	4f_1060_Rosedale	Texas	4.6	32.729700	-97.243010	47.0	47.2	47.4	0.2	47.4	47.6	0.2
Local Park	Rosehill Park	4f_1061_Rosehill	Texas	3.3	32.860190	-96.590000	46.4	46.4	45.2	-1.2	46.7	45.5	-1.2
Texas Hist. Comm.	Rosemont Crest Historic District	H_458_Rosemont	Texas	N/A	32.746918	-96.850593	49.0	49.2	49.2	0.0	49.5	49.5	0.0
NRHP	Rosemont House	H_293_Rosemont	Texas	N/A	32.378944	-96.853944	38.8	38.9	39.0	0.1	39.7	39.7	0.0
Local Park	Rosemont Park	4f_1062_Rosemont	Texas	28.1	32.686330	-97.342100	43.1	42.8	44.4	1.6	42.7	44.2	1.5
Local Park	Royal Park	4f_1063_RoyalPar	Texas	10.1	32.897250	-96.863290	45.9	45.9	45.8	-0.1	46.6	46.4	-0.2
NRHP	Royse City Lodge No. 663 A.F. & A.M.	H_294_RoyseCit	Texas	N/A	32.975083	-96.330833	45.0	45.0	42.9	-2.1	45.1	43.2	-1.9
Local Park	Rugel Park	4f_1064_RugelPar	Texas	43.2	32.784190	-96.638870	46.0	46.2	46.3	0.1	46.6	46.9	0.3
NRHP	Rush--Crabb House	H_295_RushCrab	Texas	N/A	32.765944	-96.767222	53.2	53.5	54.3	0.8	53.8	54.6	0.8
Local Park	Rutherford Park	4f_1065_Rutherfo	Texas	9.8	32.753280	-96.576370	44.9	45.0	45.0	0.0	45.6	45.5	-0.1
Local Park	S R A Park	Pri55984	Texas	24.1	32.888599	-96.001948	42.2	42.2	41.5	-0.7	42.5	41.8	-0.7
Local Park	S R A Park	4f_1066_SRAPark	Texas	24.1	32.886160	-96.001610	42.4	42.3	41.6	-0.7	42.6	41.9	-0.7
Local Park	Sagamore Park	4f_1067_Sagamore	Texas	6.3	32.736640	-97.251690	47.5	47.7	47.8	0.1	47.9	48.0	0.1
NRHP	Saint James Second Street Baptist Church	H_296_SaintJam	Texas	N/A	32.759500	-97.324750	47.2	47.3	47.0	-0.3	47.4	47.2	-0.2
NRHP	Saint Paul's Episcopal Church	H_297_SaintPau	Texas	N/A	32.388583	-96.837028	37.9	38.0	37.9	-0.1	38.7	38.7	0.0
Local Park	Salado Park	4f_1068_SaladoPa	Texas	5.3	32.972060	-96.776950	47.9	48.0	47.7	-0.3	48.0	47.8	-0.2
Local Park	Samuel Garland Park	4f_1069_SamuelGa	Texas	50.7	32.866880	-96.672500	47.1	47.1	45.7	-1.4	47.5	46.1	-1.4
Local Park	Samuell New Hope Park	4f_1070_SamuellN	Texas	119.8	32.808320	-96.589840	45.0	45.0	45.1	0.1	45.3	45.3	0.0

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Local Park	Samuell Park	4f_1071_SamuellP	Texas	108.7	32.795210	-96.741000	50.0	50.2	49.6	-0.6	50.4	49.8	-0.6
Local Park	Samuell Park	4f_1072_SamuellP	Texas	610.7	32.787390	-96.587360	44.9	45.0	45.3	0.3	45.3	45.6	0.3
NRHP	Sanderson, James S., House	H_298_Sanderso	Texas	N/A	32.327389	-96.632750	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
Local Park	Sandy Lane Park	4f_1073_SandyLan	Texas	28.1	32.748240	-97.196100	50.0	50.2	50.1	-0.1	50.5	50.3	-0.2
Local Park	Sandybrook Park	4f_1074_Sandybro	Texas	2.8	32.773210	-97.204700	50.6	50.8	50.7	-0.1	51.1	50.9	-0.2
NRHP	Sanger Brothers Building	H_299_SangerBr	Texas	N/A	32.754361	-97.332306	47.3	47.4	47.0	-0.4	47.4	47.1	-0.3
NRHP	Sanger Brothers Complex	H_300_SangerBr	Texas	N/A	32.779861	-96.804556	52.7	53.0	52.8	-0.2	53.9	53.6	-0.3
NRHP	Sanguinet, Marshall R., House	H_301_Sanguine	Texas	N/A	32.737361	-97.390889	46.5	46.4	46.1	-0.3	46.3	45.9	-0.4
NRHP	Santa Fe Passenger Depot	H_302_SantaFeP	Texas	N/A	33.626444	-97.140639	39.5	39.3	39.4	0.1	39.4	39.5	0.1
Texas Hist. Comm.	Santa Fe Terminal Building No. 4	H_387_SantaFeT	Texas	N/A	32.778891	-96.802241	52.8	53.1	52.9	-0.2	54.0	53.7	-0.3
	Santa Fe Terminal Buildings No.1 and No. 2	H_303_SantaFeT	Texas	N/A	32.796861	-96.801250	58.0	58.5	58.7	0.2	59.8	60.4	0.6
NRHP	Santa Fe Terminal Buildings No.1 and No. 2	H_304_SantaFeT	Texas	N/A	32.796306	-96.801056	57.8	58.3	58.5	0.2	59.7	60.2	0.5
Local Park	Sargent Park	4f_1075_SargentP	Texas	20.3	32.724810	-96.772450	47.9	48.0	47.4	-0.6	48.5	47.9	-0.6
Local Park	Sawers Park	4f_1076_SawersPa	Texas	5.2	32.828800	-96.988470	51.4	51.5	51.3	-0.2	51.7	51.5	-0.2
NRHP	Scott, A. M., House	H_305_ScottAMH	Texas	N/A	33.196722	-96.626361	35.7	35.8	35.4	-0.4	36.1	35.8	-0.3
NRHP	Scott, L. A., House	H_306_ScottLAH	Texas	N/A	33.196806	-96.621194	35.7	35.7	35.5	-0.2	36.1	35.8	-0.3
Local Park	Seabourn Park	4f_1077_Seabourn	Texas	8.7	32.758490	-96.631980	45.4	45.5	46.0	0.5	45.8	46.6	0.8
Local Park	Seaton Park	4f_1078_SeatonPa	Texas	4.1	32.708460	-96.762430	46.5	46.5	46.1	-0.4	47.1	46.6	-0.5
Texas Hist. Comm.	Second Trinity University Campus	H_501_SecondTr	Texas	N/A	32.404255	-96.852779	39.0	39.2	38.8	-0.4	40.0	39.6	-0.4
	Seminary Hill Park	4f_1079_Seminary	Texas	9.5	32.671120	-97.347080	41.9	41.7	43.2	1.5	41.3	43.0	1.7
Local Park	Senter Park	4f_1080_SenterPa	Texas	28.8	32.803250	-96.946860	49.0	49.1	49.2	0.1	49.3	49.4	0.1
Local Park	Shands Park	4f_1081_ShandsPa	Texas	7.5	32.836000	-96.641630	47.0	47.0	46.2	-0.8	47.3	46.5	-0.8
Local Park	Shannon Park	4f_1082_ShannonP	Texas	3.7	32.588530	-96.315040	30.4	30.5	29.5	-1.0	31.0	29.5	-1.5
NRHP	Sharp House	H_307_SharpHou	Texas	N/A	32.327000	-96.632333	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
NRHP	Shaw, Thomas and Marjorie, House	H_308_ShawThom	Texas	N/A	32.717722	-97.356889	45.7	45.6	46.5	0.9	45.4	46.3	0.9
Local Park	Shawnee Park	4f_1083_ShawneeP	Texas	35	33.043420	-96.688160	43.2	42.8	43.8	1.0	43.2	44.9	1.7

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National Recreation Area	Sheppard AFB Recreation Area	4F_3_27_Sheppa	Texas	320.1	33.877680	-96.896380	37.1	36.7	36.6	-0.1	36.7	36.5	-0.2
National Recreation Area	Sheppard AFB Recreation Area	Pri33317	Texas	320.1	33.876343	-96.893152	37.0	36.6	36.5	-0.1	36.6	36.4	-0.2
NRHP	Sherman US Post Office and Courthouse	H_309_ShermanU	Texas	N/A	33.639139	-96.609528	36.3	36.4	36.3	-0.1	36.8	36.6	-0.2
NRHP	Shiels, Thomas, House	H_310_ShieTsTh	Texas	N/A	32.793722	-96.767583	53.7	53.9	53.2	-0.7	53.9	53.3	-0.6
Texas Hist. Comm.	Shipe, Col. Monroe M., House	H_386_ShipeCol	Texas	N/A	32.105070	-97.706759	22.7	22.6	22.3	-0.3	22.9	22.8	-0.1
Local Park	Shorewood Park	4f_1084_Shorewoo	Texas	13	32.906270	-96.513170	46.2	46.2	45.0	-1.2	46.4	45.4	-1.0
Local Park	Shoshoni Park	4f_1085_Shoshoni	Texas	4.4	33.016700	-96.669300	43.1	42.9	43.2	0.3	43.1	43.5	0.4
NRHP	Silberstein, Ascher, School	H_311_Silberst	Texas	N/A	32.756111	-96.761278	51.5	51.8	52.5	0.7	52.2	52.8	0.6
Local Park	Silver Lake Park	Pri29532	Texas	365.1	32.971264	-97.056334	62.2	62.5	62.5	0.0	63.1	63.1	0.0
Local Park	Silver Lake Park	Pri29777	Texas	365.1	32.971150	-97.046552	58.7	59.0	59.1	0.1	59.5	59.6	0.1
Local Park	Silver Lake Park	4f_1086_SilverLa	Texas	365.1	32.965030	-97.051900	62.7	63.1	63.1	0.0	63.6	63.7	0.1
NRHP	Sims, O. B., House	H_312_SimsOBHo	Texas	N/A	32.397889	-96.863500	39.4	39.7	39.4	-0.3	40.5	40.2	-0.3
NRHP	Sinclair Building	H_313_Sinclair	Texas	N/A	32.754000	-97.331250	47.4	47.4	47.1	-0.3	47.4	47.1	-0.3
Local Park	Singing Hills Park	4f_1087_SingingH	Texas	62.8	32.669280	-96.796890	44.3	44.4	43.8	-0.6	45.1	44.4	-0.7
Local Park	Skyline Park	4f_1088_SkylineP	Texas	29.6	32.885200	-96.727780	46.1	46.1	44.4	-1.7	46.9	45.3	-1.6
Local Park	Smith Park	4f_1089_SmithPar	Texas	3	32.858310	-96.802530	47.1	47.0	46.8	-0.2	47.3	47.1	-0.2
NRHP	Smith, W. D., House	H_314_SmithWDH	Texas	N/A	33.203306	-96.621250	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
NRHP	Snider Hall	H_315_SniderHa	Texas	N/A	32.842750	-96.786028	47.6	47.6	47.1	-0.5	48.0	47.5	-0.5
NRHP	Solon, John, House	H_316_SolonJoh	Texas	N/A	32.390667	-96.853667	38.8	39.0	38.9	-0.1	39.8	39.7	-0.1
NRHP	Somervell County Courthouse	H_317_Somervel	Texas	N/A	32.235028	-97.755750	27.8	27.7	26.3	-1.4	28.1	26.8	-1.3
Texas Hist. Comm.	South Boulevard-Park Row Historic District	H_452_SouthBou	Texas	N/A	32.768266	-96.772556	53.5	53.8	54.4	0.6	54.2	54.8	0.6
Texas Hist. Comm.	South Center Street Historic District	H_482_SouthCen	Texas	N/A	32.731659	-97.106872	49.6	49.8	49.5	-0.3	50.1	49.8	-0.3
Local Park	South Central Park	4f_1090_SouthCen	Texas	4.1	32.717130	-96.744520	46.2	46.3	46.9	0.6	46.7	47.4	0.7
Texas Hist. Comm.	South Main Street Historic District	H_399_SouthMai	Texas	N/A	32.744343	-97.326353	47.3	47.3	46.9	-0.4	47.3	46.9	-0.4
Local Park	South Side City Park	4f_1091_SouthSid	Texas	15.6	32.641350	-96.913950	41.8	42.0	42.0	0.0	42.5	42.5	0.0

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
NRHP	South Side Masonic Lodge No. 1114	H_318_SouthSid	Texas	N/A	32.730278	-97.338083	47.7	47.7	47.9	0.2	46.9	47.2	0.3			
Local Park	Southwest Park	4f_1092_Southwes	Texas	43.7	32.653070	-97.385390	42.2	42.1	43.5	1.4	41.8	43.4	1.6			
Local Park	Southwest Park	4f_1093_Southwes	Texas	20	32.800420	-96.984280	55.1	55.2	55.1	-0.1	55.4	55.4	0.0			
NRHP	Spake, Jacob and Eliza, House	H_319_SpakeJac	Texas	N/A	32.795389	-96.799778	57.6	58.1	58.4	0.3	59.4	60.0	0.6			
Local Park	Spring Park	4f_1094_SpringPa	Texas	6	32.346140	-96.835300	38.1	38.3	38.2	-0.1	38.9	38.8	-0.1			
Local Park	Squire Park	4f_1095_SquirePa	Texas	6.1	32.920770	-96.866030	47.4	47.5	47.2	-0.3	48.1	48.1	0.0			
Local Park	St Augustine Park	4f_1096_StAugust	Texas	13.5	32.738630	-96.655550	44.6	44.6	45.3	0.7	44.9	45.6	0.7			
Local Park	St Francis Park St. Mary of the Assumption Church	4f_1097_StFranci	Texas	9.6	32.809860	-96.709410	48.2	48.3	47.7	-0.6	48.6	48.5	-0.1			
NRHP	St. Patrick Cathedral Complex	H_320_StMaryof	Texas	N/A	32.730444	-97.330306	47.1	47.1	47.4	0.3	46.7	47.0	0.3			
NRHP	St. Peter's Roman Catholic Church	H_321_StPatric	Texas	N/A	32.749111	-97.329639	47.4	47.3	47.0	-0.3	47.4	47.0	-0.4			
NRHP	Stanard--Tilton Flour Mill	H_323_StanardT	Texas	N/A	32.766750	-96.782139	52.6	53.0	53.1	0.1	53.4	53.5	0.1			
NRHP	State Highway 34 Bridge at the Trinity River	H_324_StateHig	Texas	N/A	32.426750	-96.462861	32.6	32.8	30.4	-2.4	33.4	31.0	-2.4			
NRHP	State Highway 89 Bridge at the Brazos River	H_325_StateHig	Texas	N/A	32.666944	-98.033361	38.8	38.9	41.5	2.6	39.1	41.7	2.6			
Local Park	Steeles Creek Park	Pri19369	Texas	547.7	32.002262	-97.468736	25.5	25.1	29.7	4.6	24.9	29.7	4.8			
Local Park	Steeles Creek Park	Pri20105	Texas	547.7	32.010262	-97.439610	27.1	26.4	32.6	6.2	26.1	32.6	6.5			
Local Park	Steeles Creek Park	4f_1098_SteelesC	Texas	547.7	32.006150	-97.455280	26.2	25.7	31.8	6.1	25.4	31.9	6.5			
Local Park	Stevens Park	4f_1099_StevensP	Texas	27	32.756900	-96.857700	50.3	50.4	50.5	0.1	50.7	50.8	0.1			
Local Park	Stewarts Creek Park	4f_1100_Stewarts	Texas	174.9	33.085740	-96.919490	46.7	46.9	46.5	-0.4	47.2	46.8	-0.4			
Texas Hist. Comm.	Stoneleigh Court Hotel	H_413_Stonelei	Texas	N/A	32.797528	-96.807239	56.9	57.4	57.5	0.1	58.7	58.8	0.1			
NRHP	Story, Jesse and Mary, House	H_326_StoryJes	Texas	N/A	32.325194	-96.630889	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5			
Texas Hist. Comm.	Strain Farm--Strain, W.A., House (Boundary Increase)	H_432_StrainFa	Texas	N/A	32.589859	-96.746360	37.6	37.7	39.3	1.6	38.0	40.1	2.1			
NRHP	Strain, W. A., House	H_327_StrainWA	Texas	N/A	32.587972	-96.749750	37.7	37.9	39.4	1.5	38.2	40.2	2.0			
NRHP	Straus House	H_328_StrausHo	Texas	N/A	32.588417	-96.954417	41.9	42.0	42.4	0.4	42.5	42.9	0.4			
NRHP	Strickland-Sawyer House	H_329_Strickla	Texas	N/A	32.387417	-96.841833	38.2	38.3	38.3	0.0	39.0	39.0	0.0			

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NRHP	Sturgis National Bank	H_330_SturgisN	Texas	N/A	32.010500	-97.130278	38.5	38.6	38.7	0.1	39.0	39.1	0.1			
Local Park	Sugar Berry Park	4f_1101_SugarBer	Texas	22.6	32.642560	-96.945890	42.2	42.3	42.3	0.0	42.8	42.7	-0.1			
Local Park Texas Hist. Comm.	Sunset Park	4f_1102_SunsetPa	Texas	6	32.816640	-97.470870	49.2	49.4	49.3	-0.1	49.6	49.6	0.0			
	Swiss Avenue Historic District	H_443_SwissAve	Texas	N/A	32.807744	-96.763527	50.5	50.7	49.9	-0.8	51.1	50.3	-0.8			
Local Park	Sycamore Bend Park	Pri29304	Texas	86.3	33.111545	-97.063842	46.3	46.5	46.4	-0.1	46.8	46.7	-0.1			
Local Park	Sycamore Bend Park	4f_1103_Sycamore	Texas	86.3	33.109130	-97.061690	46.5	46.7	46.7	0.0	47.1	47.0	-0.1			
Local Park	Sycamore Park	4f_1104_Sycamore	Texas	135	32.733180	-97.294820	46.9	46.8	47.0	0.2	46.9	47.1	0.2			
Local Park	Sylvania Park	4f_1105_Sylvania	Texas	32.4	32.777410	-97.293110	48.5	48.6	48.5	-0.1	48.7	48.6	-0.1			
Local Park	T Park	4f_1106_TPark	Texas	29.9	32.539460	-97.330330	37.3	36.9	35.7	-1.2	36.7	35.3	-1.4			
NRHP	Tabernacle Baptist Church	H_331_Tabernac	Texas	N/A	32.724944	-97.317917	46.4	46.3	46.8	0.5	46.2	46.7	0.5			
Local Park	Tandy Hills Park	4f_1107_TandyHil	Texas	153	32.748300	-97.273210	47.9	48.1	47.8	-0.3	48.2	48.0	-0.2			
NRHP	Tarlton Building	H_332_TarltonB	Texas	N/A	32.011556	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1			
NRHP	Tarrant County Courthouse	H_333_TarrantC	Texas	N/A	32.757361	-97.333000	47.4	47.4	47.1	-0.3	47.5	47.2	-0.3			
NRHP	Taylor, J. H., House	H_334_TaylorJH	Texas	N/A	33.198722	-96.626944	35.8	35.9	35.4	-0.5	36.3	35.8	-0.5			
NRHP	Telfair House	H_335_TelfairH	Texas	N/A	32.327361	-96.632111	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6			
NRHP	Temple Beth-El Templeton, Judge M. B., House	H_336_TempleBe	Texas	N/A	32.089556	-96.468556	24.4	24.5	24.7	0.2	24.8	25.0	0.2			
NRHP Texas Hist. Comm.	H_337_Templeto	Texas	N/A	32.398222	-96.862194	39.4	39.6	39.3	-0.3	40.4	40.1	-0.3				
	Tenth Street Historic District	H_459_TenthStr	Texas	N/A	32.748258	-96.806802	49.1	49.4	49.1	-0.3	49.9	49.5	-0.4			
Local Park Texas Hist. Comm.	Terrace Park	4f_1108_TerraceP	Texas	9.8	32.951670	-96.719250	45.5	45.6	45.0	-0.6	45.6	44.9	-0.7			
	Terrell Carnegie Library	H_423_TerrellC	Texas	N/A	32.740089	-96.278458	42.9	43.1	41.7	-1.4	43.4	42.1	-1.3			
NRHP	Terrell Times Star Building Texas & Pacific Steam	H_338_TerrellIT	Texas	N/A	32.735972	-96.277611	42.5	42.6	41.5	-1.1	43.0	41.8	-1.2			
NRHP	Locomotive No. 610 Texas and Pacific Railroad	H_339_Texas&Pa	Texas	N/A	32.789167	-97.344472	48.7	48.7	48.8	0.1	48.7	48.8	0.1			
NRHP Texas Hist. Comm. Texas Hist. Comm.	Depot	H_340_Texasand	Texas	N/A	33.573583	-96.177278	30.4	30.5	27.4	-3.1	30.9	28.1	-2.8			
	Texas and Pacific Terminal Complex	H_505_Texasand	Texas	N/A	32.746046	-97.329660	47.4	47.4	47.1	-0.3	47.3	47.0	-0.3			
Texas Hist. Comm.	Texas Centennial Exposition Buildings (1936--1937)	H_493_TexasCen	Texas	N/A	32.779268	-96.760070	53.2	53.5	53.9	0.4	53.5	54.0	0.5			

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			State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
NRHP	Texas Farm and Ranch Building	H_341_TexasFar	Texas	N/A	32.785389	-96.775694	55.4	55.7	56.3	0.6	55.7	56.1	0.4
Texas Hist. Comm.	Texas Garden Clubs, Inc., Headquarters	H_390_TexasGar	Texas	N/A	32.740556	-97.364000	47.6	47.6	47.2	-0.4	47.1	46.8	-0.3
NRHP	Texas Theatre	H_342_TexasThe	Texas	N/A	32.743400	-96.825500	48.4	48.6	48.3	-0.3	49.0	48.7	-0.3
NRHP	Texas Tourist Camp	H_343_TexasTou	Texas	N/A	33.228556	-97.576194	30.6	30.5	30.5	0.0	31.0	30.9	-0.1
Local Park	Thomas Hill Park	4f_1109_ThomasHi	Texas	71.7	32.736890	-96.815110	48.0	48.2	47.8	-0.4	48.7	48.2	-0.5
Local Park	Thomas Park	4f_1110_ThomasPa	Texas	8.5	32.964290	-96.899880	47.0	47.1	47.5	0.4	47.7	47.7	0.0
NRHP	Thomason-Scott House	H_344_Thomason	Texas	N/A	33.495111	-97.289194	35.7	35.7	35.8	0.1	35.8	36.0	0.2
NRHP	Thompson House	H_345_Thompson	Texas	N/A	33.196750	-96.627194	35.7	35.8	35.4	-0.4	36.2	35.8	-0.4
NRHP	Thompson, D. H., House	H_346_Thompson	Texas	N/A	32.386500	-96.841000	38.1	38.3	38.2	-0.1	38.9	38.9	0.0
Local Park	Tietz Park	4f_1111_TietzPar	Texas	10.1	32.823430	-96.760730	48.5	48.7	47.9	-0.8	49.1	48.2	-0.9
Local Park	Timber Creek Park	4f_1112_TimberCr	Texas	16.4	32.676620	-97.446310	45.8	45.9	46.4	0.5	46.1	46.7	0.6
Local Park	Tinsley Park	4f_1113_TinsleyP	Texas	16.8	32.886160	-96.651710	46.4	46.5	44.9	-1.6	46.8	45.5	-1.3
Local Park	Tipton Park	4f_1114_TiptonPa	Texas	29.2	32.788570	-96.879480	50.3	50.4	50.4	0.0	50.7	50.7	0.0
Local Park	Tisinger Park	4f_1115_Tisinger	Texas	4.3	32.786260	-96.608050	45.6	45.7	45.6	-0.1	46.2	46.0	-0.2
NRHP	Titche--Goettinger Department Store	H_347_TitcheGo	Texas	N/A	32.790806	-96.795194	56.6	57.1	57.3	0.2	58.3	58.9	0.6
Local Park	Town East Park	4f_1116_TownEast	Texas	31.5	32.804690	-96.636440	46.4	46.5	46.1	-0.4	47.0	46.4	-0.6
Local Park	Trader Oak Park	4f_1117_TraderOa	Texas	4.1	32.774250	-97.331510	47.3	47.3	47.4	0.1	47.5	47.5	0.0
NRHP	Trinity English Lutheran Church	H_348_TrinityE	Texas	N/A	32.772222	-96.764722	53.7	54.0	55.0	1.0	54.2	55.1	0.9
Local Park	Trinity Park	Pri21908	Texas	308.1	32.735284	-97.362651	47.2	47.2	47.0	-0.2	46.8	46.6	-0.2
Local Park	Trinity Park	Pri22154	Texas	308.1	32.743440	-97.352788	48.2	48.1	47.8	-0.3	47.8	47.5	-0.3
Local Park	Trinity Park	4f_1118_TrinityP	Texas	308.1	32.741100	-97.358920	47.8	47.8	47.4	-0.4	47.4	47.0	-0.4
Local Park	Trinity River Greenbelt Park	Pri32949	Texas	3383	32.862415	-96.921303	46.6	46.5	46.2	-0.3	47.2	46.8	-0.4
Local Park	Trinity River Greenbelt Park	Pri33194	Texas	3383	32.862291	-96.911534	47.9	48.0	47.7	-0.3	48.8	48.5	-0.3
Local Park	Trinity River Greenbelt Park	Pri33432	Texas	3383	32.804449	-96.902804	49.4	49.5	49.6	0.1	49.8	49.9	0.1
Local Park	Trinity River Greenbelt Park	Pri33438	Texas	3383	32.853920	-96.901913	48.3	48.4	48.2	-0.2	49.3	49.0	-0.3
Local Park	Trinity River Greenbelt Park	Pri33676	Texas	3383	32.796078	-96.893190	49.8	49.9	50.0	0.1	50.1	50.2	0.1

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			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Trinity River Greenbelt Park	Pri33927	Texas	3383	32.845423	-96.882526	50.2	50.5	50.3	-0.2	51.5	51.4	-0.1
Local Park	Trinity River Greenbelt Park	Pri34656	Texas	3383	32.795568	-96.854142	49.8	49.9	49.9	0.0	50.4	50.4	0.0
Local Park	Trinity River Greenbelt Park	Pri34901	Texas	3383	32.795438	-96.844379	50.5	50.8	50.7	-0.1	51.5	51.4	-0.1
Local Park	Trinity River Greenbelt Park	Pri35390	Texas	3383	32.786931	-96.825011	52.2	52.4	52.3	-0.1	53.2	53.1	-0.1
Local Park	Trinity River Greenbelt Park	Pri35877	Texas	3383	32.761932	-96.805961	50.7	50.9	50.8	-0.1	51.4	51.2	-0.2
Local Park	Trinity River Greenbelt Park	4f_1119_TrinityR	Texas	3383	32.797440	-96.874370	49.3	49.4	49.5	0.1	49.7	49.7	0.0
Local Park	Trinity View Park	4f_1120_TrinityV	Texas	141.9	32.806070	-96.908020	49.2	49.3	49.4	0.1	49.6	49.7	0.1
NRHP	Trippet-Shive House	H_349_TrippetS	Texas	N/A	32.399278	-96.861111	39.4	39.6	39.2	-0.4	40.5	40.1	-0.4
Local Park	Troth Abion Park	4f_1121_TrothAbi	Texas	33	32.864240	-96.626350	46.9	46.9	45.5	-1.4	47.1	45.7	-1.4
Local Park	Turner Park	4f_1122_TurnerPa	Texas	37.1	32.752460	-96.996560	51.7	51.8	52.0	0.2	52.2	52.2	0.0
NRHP	Turner, Joe E., House	H_350_TurnerJo	Texas	N/A	32.172917	-97.091861	40.1	40.2	40.3	0.1	40.5	40.7	0.2
NRHP	Turtle Creek Pump Station	H_351_TurtleCr	Texas	N/A	32.768556	-96.802806	51.7	52.0	51.8	-0.2	52.4	52.1	-0.3
Local Park	Twin Groves Park	4f_1123_TwinGrov	Texas	136.2	33.164120	-96.442650	33.5	33.5	35.3	1.8	34.3	36.5	2.2
Local Park	Twin Lakes Park	4f_1124_TwinLake	Texas	9.2	32.978290	-96.773590	47.4	47.5	47.4	-0.1	47.7	47.8	0.1
NRHP	U.S. Post Office	H_352_USPostOf	Texas	N/A	32.009944	-97.130306	38.5	38.6	38.7	0.1	39.0	39.1	0.1
Local Park	Umphress Park	4f_1125_Umphress	Texas	15	32.743350	-96.690230	45.9	46.0	46.9	0.9	46.4	47.3	0.9
NRHP	Umphress--Taylor House	H_353_Umphress	Texas	N/A	33.415889	-96.573528	27.8	27.7	27.6	-0.1	28.0	27.9	-0.1
Local Park	Urban Park US 281 Bridge at the Brazos River	4f_1126_UrbanPar	Texas	2.8	32.777450	-96.704990	47.8	48.0	47.8	-0.2	48.5	48.3	-0.2
NRHP	US Post Office	H_354_US281Bri	Texas	N/A	32.641639	-98.100278	36.2	36.5	40.5	4.0	36.7	40.6	3.9
NRHP	US Post Office	H_355_USPostOf	Texas	N/A	32.746222	-97.329333	47.4	47.4	47.0	-0.4	47.3	47.0	-0.3
Local Park	Valley View Park	4f_1127_ValleyVi	Texas	35.6	32.926360	-96.783480	46.7	46.7	46.1	-0.6	47.1	46.4	-0.7
Local Park	Valley West Park	4f_1128_ValleyWe	Texas	1.3	32.710840	-97.466570	45.9	45.9	46.4	0.5	46.1	46.6	0.5
Texas Hist. Comm.	Vandergriff Building	H_396_Vandergr	Texas	N/A	32.743174	-97.106107	51.3	51.5	51.4	-0.1	51.8	51.7	-0.1
Local Park	Vandergriff Park	4f_1129_Vandergr	Texas	83.5	32.698100	-97.111500	48.5	48.7	48.5	-0.2	48.8	48.6	-0.2
Local Park	Vanston Park	4f_1130_VanstonP	Texas	13.9	32.826160	-96.644590	46.9	46.9	46.4	-0.5	47.4	46.7	-0.7
Texas Hist. Comm.	Vaught House	H_427_VaughtHo	Texas	N/A	32.735041	-97.115829	50.0	50.2	50.0	-0.2	50.5	50.2	-0.3

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Local Park	Veteran Park	4f_1131_VeteranP	Texas	142.6	32.702300	-97.164970	46.0	46.3	45.9	-0.4	46.5	46.2	-0.3
Local Park	Veterans Park	4f_1132_Veterans	Texas	22.3	32.694470	-96.784030	46.0	46.0	45.6	-0.4	46.6	46.3	-0.3
NRHP	Vickery, Richard, House	H_356_VickeryR	Texas	N/A	32.388278	-96.829500	37.4	37.5	37.4	-0.1	38.1	38.1	0.0
Local Park	Victoria Park	4f_1133_Victoria	Texas	22.6	32.857160	-96.985670	48.1	47.9	47.6	-0.3	48.1	47.7	-0.4
Local Park	Village Creek Park	4f_1134_VillageC	Texas	24.4	32.696980	-97.253630	45.2	45.3	45.5	0.2	45.5	45.6	0.1
NRHP	Viola Courts Apartments	H_357_ViolaCou	Texas	N/A	32.801361	-96.771028	52.5	52.8	52.1	-0.7	53.2	52.5	-0.7
NRHP	Virginia Hall	H_358_Virginia	Texas	N/A	32.843028	-96.786639	47.5	47.6	47.1	-0.5	48.0	47.5	-0.5
NRHP	Waddill, R. L., House	H_359_WaddillR	Texas	N/A	33.200611	-96.612944	35.8	35.8	36.0	0.2	36.1	36.0	-0.1
NRHP	Waggoner Mansion	H_360_Waggoner	Texas	N/A	33.234333	-97.577167	30.5	30.4	30.3	-0.1	30.9	30.7	-0.2
Local Park	Waggoner Park	4f_1135_Waggoner	Texas	53	32.771810	-97.025060	55.3	55.5	55.5	0.0	55.8	55.8	0.0
NRHP	Waggoner, W. T. Building	H_361_Waggoner	Texas	N/A	32.751639	-97.330639	47.3	47.3	47.0	-0.3	47.5	47.1	-0.4
Local Park	Wahoo Park	4f_1136_WahooPar	Texas	18.1	32.773390	-96.736270	50.2	50.5	50.6	0.1	50.7	51.3	0.6
NRHP	Wallace-Hall House	H_362_WallaceH	Texas	N/A	32.561600	-97.142200	40.1	40.1	40.6	0.5	40.1	40.7	0.6
Local Park	Walnut Creek Park	Pri34535	Texas	431.2	33.818001	-96.844830	37.9	37.9	37.9	0.0	38.3	38.4	0.1
Local Park	Walnut Creek Park	Pri34778	Texas	431.2	33.801384	-96.835267	38.3	38.3	38.3	0.0	38.7	38.8	0.1
Local Park	Walnut Creek Park	4f_1137_WalnutCr	Texas	431.2	33.808960	-96.840830	38.1	38.1	38.2	0.1	38.5	38.6	0.1
Local Park	Walnut Hill Park	4f_1138_WalnutHi	Texas	10.6	32.881450	-96.839460	45.7	45.6	45.5	-0.1	46.0	45.9	-0.1
NRHP	Waples-Platter Buildings	H_363_WaplesPl	Texas	N/A	32.784722	-96.808528	53.1	53.4	53.2	-0.2	54.3	54.1	-0.2
NRHP	Waples-Platter Buildings	H_364_WaplesPl	Texas	N/A	32.784889	-96.808167	53.1	53.4	53.3	-0.1	54.4	54.2	-0.2
NRHP	Warren-Crowell House	H_365_WarrenCr	Texas	N/A	32.747639	-96.286861	43.4	43.5	42.2	-1.3	43.9	42.6	-1.3
Texas Hist. Comm.	Washington Hotel	H_393_Washingt	Texas	N/A	33.141124	-96.107837	42.4	42.4	40.0	-2.4	42.8	40.4	-2.4
Local Park	Waterloo Park	4f_1139_Waterloo	Texas	203.9	33.743020	-96.569750	38.4	38.5	38.5	0.0	38.9	38.9	0.0
Local Park	Waterworth Park	4f_1140_Waterwor	Texas	9	32.922950	-96.889480	50.1	50.4	51.5	1.1	51.3	53.8	2.5
Local Park	Watson Park	4f_1141_WatsonPa	Texas	9.9	32.923120	-96.691520	44.8	44.8	43.6	-1.2	45.2	43.8	-1.4
NRHP	Waxahachie Chautauqua Building	H_366_Waxahach	Texas	N/A	32.394861	-96.866528	39.5	39.7	39.4	-0.3	40.6	40.3	-0.3
Local Park	Waxahachie Creek Park	Pri39250	Texas	207.1	32.290029	-96.678990	26.3	26.3	27.1	0.8	26.7	27.5	0.8
Local Park	Waxahachie Creek Park	4f_1142_Waxahach	Texas	207.1	32.291810	-96.686060	26.7	26.7	27.5	0.8	27.1	27.8	0.7

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		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change			
NRHP Texas Hist. Comm.	Waxahachie Lumber Company	H_367_Waxahach	Texas	N/A	32.386000	-96.843778	38.3	38.4	38.4	0.0	39.1	39.1	0.0			
	Weatherford Downtown Historic District	H_438_Weatherf	Texas	N/A	32.759232	-97.797244	43.0	43.0	40.3	-2.7	43.3	40.6	-2.7			
NRHP	Weatherford House	H_369_Weatherf	Texas	N/A	32.329194	-96.633556	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6			
	Weatherford-Mineral Wells and Northwestern Railroad Depot	H_368_Weatherf	Texas	N/A	32.806167	-98.111667	38.6	38.7	39.4	0.7	38.9	39.7	0.8			
Local Park	Webb Park	Pri29242	Texas	827.7	32.600333	-97.072099	45.1	45.2	45.7	0.5	45.2	45.8	0.6			
Local Park	Webb Park	Pri29487	Texas	827.7	32.600220	-97.062358	45.1	45.1	45.6	0.5	45.2	45.8	0.6			
Local Park	Webb Park	Pri29489	Texas	827.7	32.616711	-97.062091	45.5	45.6	46.2	0.6	45.7	46.4	0.7			
Local Park	Webb Park	4f_1143_WebbPark	Texas	827.7	32.602240	-97.068610	45.1	45.1	45.6	0.5	45.3	45.9	0.6			
Local Park	Wedgeworth Park	4f_1144_Wedgewor	Texas	29.7	32.652980	-97.369610	42.0	41.8	43.1	1.3	40.5	42.3	1.8			
NRHP	Weekley, John M., House	H_370_WeekleyJ	Texas	N/A	32.329750	-96.634389	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6			
Local Park	Weiss Park	4f_1145_WeissPar	Texas	18.1	32.733140	-96.877240	47.8	47.9	47.7	-0.2	48.2	48.0	-0.2			
Local Park	West Dallas Housing Park	4f_1146_WestDall	Texas	126	32.782760	-96.864670	50.6	50.7	50.5	-0.2	51.1	50.9	-0.2			
Local Park	West End Historic District	H_468_WestEndH	Texas	N/A	32.390261	-96.855138	38.9	39.1	39.0	-0.1	39.9	39.8	-0.1			
Local Park	West Lake Park	Pri31018	Texas	684.6	33.102492	-96.995402	46.7	46.8	46.6	-0.2	47.1	46.8	-0.3			
Local Park	West Lake Park	Pri31262	Texas	684.6	33.094128	-96.985747	46.7	46.8	46.6	-0.2	47.2	47.0	-0.2			
Local Park	West Lake Park	4f_1147_WestLake	Texas	33.6	32.772170	-96.616790	45.7	45.8	46.0	0.2	46.4	46.5	0.1			
Local Park	West Lake Park	4f_1151_Westlake	Texas	684.6	33.102060	-96.995170	46.7	46.8	46.6	-0.2	47.1	46.8	-0.3			
Local Park	West Park	4f_1148_WestPark	Texas	19.9	32.828520	-97.123760	45.2	45.1	45.2	0.1	45.4	45.4	0.0			
Local Park	West Side Historic District	H_476_WestSide	Texas	N/A	32.087307	-96.479034	23.4	23.4	23.9	0.5	23.7	24.3	0.6			
Texas Hist. Comm.	Westbrook, Roy A. and Gladys, House	H_407_Westbroo	Texas	N/A	32.722414	-97.359572	46.1	46.0	46.6	0.6	45.7	46.3	0.6			
Local Park	Westcreek Park	4f_1149_Westcree	Texas	18.6	32.655890	-97.354660	42.2	42.1	43.2	1.1	40.3	42.1	1.8			
Texas Hist. Comm.	Westend Historic District	H_449_WestendH	Texas	N/A	32.780201	-96.806786	52.6	52.8	52.7	-0.1	53.7	53.5	-0.2			
NRHP	Western Union Building	H_371_WesternU	Texas	N/A	32.011917	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1			
Local Park	Westhaven Park	4f_1150_Westhave	Texas	19.2	32.711020	-96.896380	46.2	46.3	46.0	-0.3	46.6	46.2	-0.4			
Local Park	Westmoreland Park	4f_1152_Westmore	Texas	10.3	32.721580	-96.879230	47.2	47.3	47.0	-0.3	47.4	47.1	-0.3			

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Type of Resource	Site Name	Location			Area (Acres)	Latitude	Longitude	2011		2014		2019	
		Grid Point Location ID	State	E.C.				N.A.	P.A.	Change	N.A.	P.A.	Change
NRHP	Westover Manor	H_372_Westover	Texas	N/A	32.742139	-97.404250	46.3	46.3	45.8	-0.5	46.3	45.6	-0.7
NRHP Texas Hist. Comm.	Wharton-Scott House	H_373_WhartonS	Texas	N/A	32.738000	-97.342528	48.1	48.1	48.0	-0.1	47.6	47.4	-0.2
	Wheatley Place Historic District	H_453_Wheatley	Texas	N/A	32.765674	-96.762054	53.0	53.3	54.3	1.0	53.6	54.4	0.8
Local Park	White Rock Lake Park	Pri37845	Texas	2777.2	32.826803	-96.726578	48.3	48.3	47.4	-0.9	48.7	47.8	-0.9
Local Park	White Rock Lake Park	Pri37848	Texas	2777.2	32.851538	-96.726083	47.3	47.3	46.4	-0.9	47.7	47.5	-0.2
Local Park	White Rock Lake Park	Pri38091	Texas	2777.2	32.834909	-96.716647	48.0	48.1	47.2	-0.9	48.5	48.1	-0.4
Local Park	White Rock Lake Park	4f_1153_WhiteRoc	Texas	2777.2	32.845380	-96.724060	47.6	47.7	46.6	-1.1	48.1	47.6	-0.5
NRHP	Wiley, Thomas W., House	H_374_WileyTho	Texas	N/A	33.196722	-96.617139	35.7	35.8	35.8	0.0	36.1	35.9	-0.2
Local Park	William Houston Park	4f_1154_WilliamH	Texas	8.7	32.875780	-97.388650	47.7	47.8	46.7	-1.1	48.0	46.8	-1.2
Local Park	William McDonald Park	4f_1155_WilliamM	Texas	58.2	32.704450	-97.238030	45.6	45.8	45.8	0.0	46.0	45.9	-0.1
NRHP	Williams, Porter L., House	H_376_Williams	Texas	N/A	32.399333	-96.853472	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
NRHP	Williams-Erwin House	H_375_Williams	Texas	N/A	32.394500	-96.848056	38.6	38.8	38.6	-0.2	39.5	39.4	-0.1
Local Park	Willow Creek Park	4f_1156_WillowCr	Texas	17.3	33.028730	-96.684490	43.3	43.1	43.6	0.5	43.3	44.1	0.8
Local Park	Willow Creek Park	4f_1157_WillowCr	Texas	52.4	32.851780	-97.379260	48.6	48.8	48.1	-0.7	48.9	48.3	-0.6
Local Park Texas Hist. Comm.	Willow Grove Park	4f_1158_WillowGr	Texas	191.9	33.124070	-97.014930	45.8	45.9	45.6	-0.3	46.2	45.8	-0.4
	Wilson Block	H_498_WilsonBl	Texas	N/A	32.788364	-96.784995	55.9	56.2	56.8	0.6	57.1	57.7	0.6
NRHP	Wilson Building	H_377_WilsonBu	Texas	N/A	32.781444	-96.797361	53.7	54.1	54.0	-0.1	55.1	54.8	-0.3
NRHP	Wilson, A. G., House	H_378_WilsonAG	Texas	N/A	33.201611	-96.626861	36.1	36.1	35.5	-0.6	36.5	35.9	-0.6
NRHP	Wilson, Ammie, House	H_379_WilsonAm	Texas	N/A	33.019056	-96.731306	44.4	44.4	44.5	0.1	44.8	45.6	0.8
Local Park Texas Hist. Comm.	Wind Point Park	4f_1159_WindPoin	Texas	312.5	32.959680	-95.994950	39.3	39.3	39.9	0.6	39.6	40.1	0.5
	Winnetka Heights Historic District	H_457_Winnetka	Texas	N/A	32.745457	-96.844053	48.7	48.8	48.9	0.1	49.1	49.2	0.1
Local Park	Winsom Park	4f_1160_WinsomPa	Texas	11.3	32.654950	-97.030150	46.5	46.6	46.7	0.1	47.0	47.1	0.1
NRHP	Wise County Courthouse	H_380_WiseCoun	Texas	N/A	33.234361	-97.586944	30.4	30.3	30.2	-0.1	30.8	30.6	-0.2
NRHP	Witten, Pat, House	H_381_WittenPa	Texas	N/A	32.394806	-96.842722	38.3	38.4	38.2	-0.2	39.1	39.0	-0.1
Local Park	Wolf Creek Park	Pri37495	Texas	905	31.961214	-96.753392	32.9	33.0	33.1	0.1	33.6	33.7	0.1
Local Park	Wolf Creek Park	Pri37740	Texas	905	31.961077	-96.743721	33.3	33.4	33.5	0.1	34.1	34.2	0.1

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Type of Resource	Site Name	Grid Point Location ID	Location			Latitude	Longitude	2011		2014		2019	
			State	Area (Acres)	E.C.			N.A.	P.A.	Change	N.A.	P.A.	Change
Local Park	Wolf Creek Park	Pri37986	Texas	905	31.969183	-96.733888	33.9	34.1	34.2	0.1	34.7	34.8	0.1
Local Park	Wolf Creek Park	Pri38475	Texas	905	31.960660	-96.714708	34.3	34.6	34.7	0.1	35.2	35.3	0.1
Local Park	Wolf Creek Park	4f_1161_WolfCree	Texas	905	31.965360	-96.738070	33.6	33.8	33.9	0.1	34.4	34.5	0.1
Local Park	Woodland Park	4f_1162_Woodland	Texas	7.6	32.723150	-97.159700	47.8	48.1	47.8	-0.3	48.3	48.0	-0.3
Local Park	Woodland Park	4f_1163_Woodland	Texas	21	32.968170	-96.750880	47.6	47.6	47.3	-0.3	47.2	46.9	-0.3
Local Park	Woodland Springs Park	4f_1164_Woodland	Texas	36.9	32.706290	-96.694130	43.7	43.7	47.1	3.4	44.3	47.7	3.4
Local Park	Woodrow Park	4f_1165_WoodrowP	Texas	5.6	33.208820	-97.113010	41.8	41.8	41.9	0.1	42.0	42.1	0.1
Local Park	Woodview Park	4f_1166_Woodview	Texas	5	32.724240	-96.781870	47.7	47.9	47.3	-0.6	48.5	48.0	-0.5
NRHP Texas Hist. Comm.	Woolworth, F. W., Building	H_382_Woolwort	Texas	N/A	32.753500	-97.331472	47.4	47.4	47.0	-0.4	47.4	47.1	-0.3
	Wright Building Wright-Henderson-Duncan	H_405_WrightBu	Texas	N/A	32.348153	-97.386244	31.4	30.9	31.5	0.6	31.0	31.6	0.6
NRHP Texas Hist. Comm.	House Wyatt Street Shotgun House	H_383_WrightHe	Texas	N/A	32.435306	-97.794917	27.8	28.0	26.0	-2.0	28.2	26.3	-1.9
Texas Hist. Comm.	Historic District Wyatt Street Shotgun House	H_384_WyattStr	Texas	N/A	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0
Texas Hist. Comm.	Historic District Wyatt Street Shotgun House	H_385_WyattStr	Texas	N/A	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0
Texas Hist. Comm.	Historic District Wyatt Street Shotgun House	H_470_WyattStr	Texas	N/A	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0
Local Park	Wynnewood Park	4f_1167_Wynnewoo	Texas	26.1	32.731950	-96.826890	47.5	47.7	47.5	-0.2	47.9	47.7	-0.2
Local Park	Wynnwood Park	Pri32487	Texas	683.4	33.093524	-96.936772	47.4	47.6	47.0	-0.6	47.9	47.3	-0.6
Local Park	Wynnwood Park	Pri32488	Texas	683.4	33.101769	-96.936626	46.5	46.6	46.1	-0.5	47.0	46.4	-0.6
Local Park	Wynnwood Park	4f_1168_Wynnwood	Texas	683.4	33.095920	-96.935680	47.2	47.4	46.8	-0.6	47.7	47.1	-0.6
Local Park	Yale Park	4f_1169_YalePark	Texas	6.7	32.966940	-96.691390	44.5	44.6	44.7	0.1	44.6	44.7	0.1
Local Park	Yarborough Park	4f_1170_Yarborou	Texas	1.8	32.933740	-96.634260	45.1	45.2	44.2	-1.0	45.5	44.7	-0.8
Local Park	Zeigler Park	4f_1171_ZeiglerP	Texas	13.3	32.584100	-96.864370	40.4	40.6	40.4	-0.2	41.6	41.2	-0.4

## Appendix 3      Historic and Cultural Resources

### Inventory of Historic Resources

This appendix provides an inventory of historical resources identified and evaluated as part of the Environmental Assessment (EA) for the North Texas Optimization of Airspace Procedures in the Metroplex (OAPM) project.

#### Inventory

The inventory of historic resources includes all properties listed on the National Register of Historic Places (National Register) located within the GSA. Spatial data for these properties was downloaded from the National Park Service website ([nrhp.focus.nps.gov/natreg/docs/Download.htm](http://nrhp.focus.nps.gov/natreg/docs/Download.htm)) in July 2012. This database was augmented in June 2013 with one additional property which was deemed eligible for listing on the National Register.

#### Consultation

On May 6, 2013, early notification letters and coordination packages announcing the preparation of an EA for the North Texas OAPM project were distributed to relevant public officials, including the State Historic Preservation Officers (SHPOs) for the states located within the General Study Area and two (2) Native American tribes. Four additional mailings (June 12, 2013, June 14, 2013, June 26, 2013 and July 9, 2013) were sent to additional recipients based on the responses to the first mailing. Recipients were requested to provide information relevant to the project. Responses were received from the following agencies:

- Texas Historical Commission
- National Park Service
- Bureau of Indian Affairs
- U.S. Department of Agriculture

The response letters are included in **Appendix A** of the EA.

#### Noise Exposure at Historic Sites

**Table 3-1** identifies the 506 historic resources identified within the GSA and for which noise was modeled. The inventory includes the name, address, and geographical coordinates (latitude and longitude) of each historic resource, and presents the calculated noise exposure values under 2011 existing conditions and Proposed Action and No Action conditions for 2014 and 2019.

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**Appendix Table 3-1. Historic and Cultural Resources Inventory and Noise Exposure Results**

Source: HMMH August 2013

Grid Point Location ID	Location						2011 E.C.	N.A.	P.A.	2014 Change	N.A.	P.A.	2019 Change
	Historic Place Name	Address	County	State	Latitude	Longitude							
H_424_1926Repu	1926 Republic National Bank	300 N. Ervay/325 N. St. Paul St.	Dallas	Texas	32.782476	-96.801011	53.6	53.9	53.7	-0.2	54.9	54.6	-0.3
H_409_4928Brya	4928 Bryan Street Apartments	4928 Bryan Street	Dallas	Texas	32.804406	-96.772366	52.1	52.4	51.6	-0.8	52.9	52.1	-0.8
H_1_AdamsonF	Adamson, F. R., House	309 University	Ellis	Texas	32.401861	-96.854250	39.0	39.3	38.9	-0.4	40.1	39.7	-0.4
H_388_AdamsonW	Adamson, W.H., High School Administration Building,	201 E. 9th St.	Dallas	Texas	32.749182	-96.822682	49.0	49.1	48.9	-0.2	49.6	49.3	-0.3
H_2_Administ	Decatur Baptist College	1602 S. Trinity St.	Wise	Texas	33.222889	-97.586583	31.0	31.0	30.9	-0.1	31.4	31.3	-0.1
H_446_AlcaldeS	Alcalde Street--Crockett School Historic District	200--500 Alcalde, 421--421A N. Carroll and 4315 Victor	Dallas	Texas	32.792799	-96.770370	54.2	54.4	53.9	-0.5	54.5	54.0	-0.5
H_3_Alderdic	Alderdice, J. M., House	1500 W. Main	Ellis	Texas	32.398056	-96.863917	39.5	39.7	39.4	-0.3	40.5	40.2	-0.3
H_4_Alderman	Alderman, G. H., House	317 E. Marvin	Ellis	Texas	31.943222	-96.858000	33.2	33.3	33.4	0.1	34.2	34.4	0.2
H_5_AllenCha	Allen Chapel AME Church	116 Elm St. N. of Exchange Pkwy on Cottonwood Creek	Tarrant	Texas	32.759167	-97.327528	47.2	47.2	47.1	-0.1	47.4	47.1	-0.3
H_402_AllenWat	Allen Water Station	601 N. Dallas	Collin	Texas	33.118450	-96.665782	37.5	37.0	39.9	2.9	37.4	40.3	2.9
H_6_AllenRH	Allen, I. R., House	201 Aviation Wy.	Ellis	Texas	32.331306	-96.631167	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7
H_412_American	American Airways Hanger and Administration Building	411 W. 7th St.	Tarrant	Texas	32.751083	-97.332583	47.5	47.5	47.1	-0.4	47.5	47.1	-0.4
H_7_Anderson	Anderson, Neil P., Building	800 Beltline	Dallas	Texas	32.589750	-96.958556	42.1	42.2	42.6	0.4	42.7	43.1	0.4
H_8_AngleDMH	Angle, D. M., House	200 W. Main St.	Tarrant	Texas	32.736389	-97.108556	50.2	50.4	50.1	-0.3	50.7	50.5	-0.2
H_9_Arlingto	Arlington Post Office	113 S. Main St.	Collin	Texas	33.162917	-96.359667	32.9	32.8	34.9	2.1	33.2	35.3	2.1
H_10_AstonBui	Aston Building	605 N. Preston	Ellis	Texas	32.329917	-96.633944	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_11_AtwoodEK	Atwood, E. K., House	319 Lipscomb St.	Tarrant	Texas	32.741389	-97.332778	47.5	47.5	47.3	-0.2	47.4	47.1	-0.3
H_12_AustinSt	Austin, Stephen F., Elementary School	200 E. Hubbard St.	Palo Pinto	Texas	32.809778	-98.100417	38.7	38.8	39.6	0.8	39.0	39.9	0.9
H_502_BakerJTF	Baker, J. T., Farmstead	1.2 mi. N of Blum between TX 174 and the Nolan R.	Hill	Texas	32.157883	-97.388840	28.8	28.0	30.3	2.3	27.5	30.1	2.6
H_426_BakerCar	Baker--Carmichael House	226 E. Pearl St.	Hood	Texas	32.444388	-97.785963	28.8	29.0	26.6	-2.4	29.2	26.8	-2.4

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Grid Point Location ID	Location						2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_14_BarkleyF	Barkley--Floyd House	709 N. Dallas	Ellis	Texas	32.332583	-96.631778	30.1	30.2	28.4	-1.8	30.3	28.6	-1.7
H_15_Barnards	Barnard's Mill	307 SW Barnard St.	Somervell	Texas	32.231806	-97.756667	27.7	27.7	26.3	-1.4	28.0	26.7	-1.3
H_16_Barringt	Barrington House	206 W. Belknap	Ellis	Texas	32.329667	-96.630361	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_17_BedfordS	Bedford School	2400 School Ln	Tarrant	Texas	32.846333	-97.150889	44.7	44.6	44.6	0.0	44.7	44.7	0.0
H_18_BeloAlfr	Belo, Alfred Horatio, House	2115 Ross Ave.	Dallas	Texas	32.788139	-96.798056	55.3	55.7	55.8	0.1	56.9	57.0	0.1
H_19_BentonMA	Benton, M. A., House	1730 6th Ave.	Tarrant	Texas	32.725528	-97.340417	47.4	47.4	47.8	0.4	46.6	47.1	0.5
H_20_BerryJSH	Berry, J. S., House	201 E. University	Ellis	Texas	32.399528	-96.854083	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_21_BeverlyH	Beverly--Harris House	604 Parker	Collin	Texas	33.193583	-96.622361	35.5	35.5	35.4	-0.1	35.8	35.8	0.0
H_22_BianchiD	Bianchi, Didaco and Ida, House	4503 Reiger Ave.	Dallas	Texas	32.793222	-96.768889	54.0	54.2	53.6	-0.6	54.2	53.6	-0.6
H_23_BinghamJ	Bingham, John H., House Birge, Capt. Noble Allan, House	800 S. Chestnut	Collin	Texas	33.190194	-96.614083	35.2	35.2	35.9	0.7	35.5	36.0	0.5
H_24_BirgeCap		727 W. Birge	Grayson	Texas	33.645250	-96.618194	37.1	37.3	37.2	-0.1	37.7	37.6	-0.1
H_25_Blacksto	Blackstone Hotel	601 Main St.	Tarrant	Texas	32.753806	-97.330194	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4
H_418_BlantonS	Blanton School	610 Witt St.	Hunt	Texas	33.370198	-96.063731	26.8	26.9	29.0	2.1	27.3	30.4	3.1
H_26_BluffDal	Bluff Dale Suspension Bridge	Berry's Creek Rd.	Erath	Texas	32.354306	-98.025972	22.9	23.1	26.1	3.0	23.5	26.5	3.0
H_27_BluffDal	Bluff Dale Suspension Bridge	Berry's Creek Rd.	Erath	Texas	32.353417	-98.026000	22.9	23.2	26.2	3.0	23.6	26.5	2.9
H_420_BluittSa	Bluitt Sanitarium	2036 Commerce St.	Dallas	Texas	32.782790	-96.792708	54.6	55.0	55.1	0.1	56.0	56.1	0.1
H_28_BoardEve	Board--Everett House	507 N. Bradley	Collin	Texas	33.202278	-96.623639	36.0	36.0	35.5	-0.5	36.4	35.8	-0.6
H_29_BomarEPa	Bomar, E.P. and Alice, House	417 S. Denton St.	Cooke	Texas	33.621174	-97.142780	39.4	39.3	39.3	0.0	39.3	39.4	0.1
H_431_BomarEPa	Bomar, E.P. and Alice, House	417 S. Denton St.	Cooke	Texas	33.623023	-97.143070	39.3	39.2	39.3	0.1	39.2	39.3	0.1
H_30_BorenETH	Boren, E. T., House	616 W. Denton	Ellis	Texas	32.329056	-96.635889	30.2	30.3	28.8	-1.5	30.4	28.9	-1.5
H_31_Bottsfow	Botts--Fowler House	115 N. Fourth Ave.	Tarrant	Texas	32.565417	-97.146028	39.9	40.0	40.6	0.6	39.8	40.6	0.8
HH_1_BraniffBu	Braniff Building Bratton, Andrew "Cap" and Emma Doughty, House	7801 Lemmom Ave	Dallas	Texas	32.848426	-96.841169	69.0	69.3	69.5	0.2	69.5	69.6	0.1
H_32_BrattonA		310 E. Broad St.	Tarrant	Texas	32.562800	-97.138500	40.4	40.4	40.8	0.4	40.4	40.9	0.5
H_33_BraunGeo	Braun, George, House Bromberg, Alfred and Juanita, House	421 N. Austin Ave.	Grayson	Texas	33.759417	-96.537111	36.7	36.8	36.8	0.0	37.3	37.2	-0.1
H_408_Bromberg		3201 Wendover Rd.	Dallas	Texas	32.826250	-96.741349	48.4	48.5	47.5	-1.0	48.8	47.8	-1.0
H_34_BrooksWi	Brooks, William and Blanche, House	500 S. Center St.	Kaufman	Texas	32.743056	-96.473500	42.8	42.8	44.0	1.2	43.1	44.3	1.2
H_35_BrownJTH	Brown, J. T., Hotel	E. Decatur St	Wise	Texas	33.293972	-97.795917	30.2	30.3	29.7	-0.6	30.7	30.2	-0.5

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Grid Point Location ID	Location							2011 E.C.	2014			2019		
	Historic Place Name	Address	County	State	Latitude	Longitude	N.A.	P.A.	Change	N.A.	P.A.	Change		
H_36_BrownJoh	Brown, John R., House	509 N. Church	Collin	Texas	33.201806	-96.617639	36.1	36.2	35.9	-0.3	36.5	36.0	-0.5	
H_447_BryanPea	Bryan-Peak Commercial Historic District	4214--4311 Bryan Ave. and 1325--1408 N. Peak	Dallas	Texas	32.799175	-96.779188	54.5	54.7	54.3	-0.4	55.3	54.8	-0.5	
H_37_BryantWi	Bryant, William, Jr., House	S. Broad and Cooper	Dallas	Texas	32.586028	-96.957250	41.9	42.1	42.4	0.3	42.5	42.8	0.3	
H_38_BryceBui	Bryce Building	909 Throckmorton St.	Tarrant	Texas	32.751194	-97.330444	47.3	47.3	47.0	-0.3	47.5	47.1	-0.4	
H_39_BryceWil	Bryce, William J., House	4900 Bryce Ave.	Tarrant	Texas	32.739917	-97.393306	46.5	46.5	46.1	-0.4	46.4	45.9	-0.5	
H_40_Buchanan	Buchanan-Hayter-Witherspoon House	306 E. Broad St.	Tarrant	Texas	32.562800	-97.138700	40.4	40.4	40.8	0.4	40.4	40.9	0.5	
H_41_BuckOaks	Buck Oaks Farm Building at 3525 Turtle Creek Boulevard	6312 White Settlement Rd.	Tarrant	Texas	32.762583	-97.423528	46.7	46.8	46.6	-0.2	46.9	46.7	-0.2	
H_411_Building	Building at 441 East Main	3525 Turtle Creek Blvd.	Dallas	Texas	32.810760	-96.802760	57.9	58.2	58.3	0.1	59.0	59.1	0.1	
H_42_Building	Building at 500--502 East Main	441 E. Main	Ellis	Texas	32.383806	-96.841917	38.2	38.3	38.3	0.0	39.0	39.0	0.0	
H_43_Building	Building at 500--502 E. Main	500--502 E. Main	Ellis	Texas	32.384000	-96.842556	38.2	38.3	38.4	0.1	39.0	39.1	0.1	
H_44_BullardT	Bullard, T. J., House	221 Patrick	Ellis	Texas	32.395389	-96.855472	39.0	39.2	39.0	-0.2	40.0	39.8	-0.2	
H_45_BurnettB	Burnett, Burk, Building	500--502 Main St.	Tarrant	Texas	32.754222	-97.331250	47.3	47.4	47.1	-0.3	47.4	47.1	-0.3	
H_46_BurrusFi	Burrus--Finch House	405 N. Waddill	Collin	Texas	33.200889	-96.626889	36.0	36.1	35.5	-0.6	36.4	35.9	-0.5	
H_48_BuschBui	Busch Building	1501--1509 Main St.	Dallas	Texas	32.780583	-96.799306	53.4	53.8	53.6	-0.2	54.7	54.3	-0.4	
H_47_BuschKir	Busch--Kirby Building (Boundary Increase)	1501--1509 Main St.	Dallas	Texas	32.780583	-96.799306	53.4	53.8	53.6	-0.2	54.7	54.3	-0.4	
H_49_CampWill	Camp, William and Medora, House	2620 Church St.	Hunt	Texas	33.143028	-96.107778	42.5	42.5	40.0	-2.5	42.8	40.4	-2.4	
H_50_Cartwrig	Cartwright, Matthew, House	505 Griffith Ave.	Kaufman	Texas	32.745778	-96.284778	43.3	43.4	42.1	-1.3	43.8	42.5	-1.3	
H_492_CedarSpr	Cedar Springs Place	2531 Lucas Dr.	Dallas	Texas	32.814077	-96.820883	62.3	62.8	62.9	0.1	64.3	64.5	0.2	
H_403_CelinaPu	Celina Public School	205 S. Colorado St.	Collin	Texas	33.324606	-96.788824	41.2	41.3	41.0	-0.3	41.7	41.4	-0.3	
H_51_CentralC	Central Christian Church	2611 Wesley St.	Hunt	Texas	33.138600	-96.108400	42.3	42.3	40.1	-2.2	42.7	40.5	-2.2	
H_52_CentralC	Central Congregational Church	1530 N. Carroll	Dallas	Texas	32.802222	-96.778917	53.7	54.0	53.4	-0.6	54.6	54.0	-0.6	
H_479_CentralH	Central Handley Historic District	Roughly bounded by E. Lancaster Ave., Forest Ave., Kerr St., and Handley Dr.	Tarrant	Texas	32.732877	-97.218971	47.8	47.9	48.0	0.1	48.2	48.2	0.0	
H_53_CentralP	Central Presbyterian Church	402 N. College	Ellis	Texas	32.389083	-96.844778	38.3	38.5	38.4	-0.1	39.2	39.2	0.0	
H_410_CentralR	Central Roanoke Historic District	100 & 200 blks. of N. Oak St.	Denton	Texas	33.001046	-97.229284	48.2	48.2	48.0	-0.2	48.3	48.1	-0.2	

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H_54_ChapmanO	Chapman, Oscar H., House Chevrolet Motor Company Building	201 Overhill 3221 Commerce	Ellis Dallas	Texas Texas	32.404056 32.784500	-96.845472 -96.776700	38.5 55.5	38.7 55.8	38.3 56.4	-0.4 0.6	39.5 55.8	39.2 56.3	-0.3 0.5
H_55_Chevrole	Chorn, Lester H. and Maybel	Bryant, House	Tarrant	Texas	32.563400	-97.139200	40.4	40.4	40.8	0.4	40.3	40.9	0.6
H_56_ChornLes													
H_57_ClardyUP	Clardy, U. P., House	315 Oak	Collin	Texas	33.200111	-96.624333	35.9	35.9	35.4	-0.5	36.2	35.8	-0.4
H_58_Claremon	Claremont Apartments	4636 Ross Ave.	Dallas	Texas	32.804917	-96.777139	52.7	53.0	52.3	-0.7	53.7	52.9	-0.8
H_59_Cleburne	Cleburne Carnegie Library	201 N. Caddo St.	Johnson	Texas	32.348556	-97.386556	31.5	31.0	31.4	0.4	31.1	31.6	0.5
H_60_Clements	Clements Hall	3200 Dyer St.	Dallas	Texas	32.843444	-96.784333	47.4	47.5	46.9	-0.6	47.9	47.3	-0.6
H_61_Clendene	Clendenen-Carleton House	803 N. Main St.	Fannin	Texas	33.581389	-96.179611	30.3	30.4	26.9	-3.5	30.7	27.8	-2.9
H_62_ClineBas	Cline--Bass House	804 Tucker	Collin	Texas	33.202861	-96.626194	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
H_63_CloudSta	Cloud-Stark House	327 S. Dixon St.	Cooke	Texas	33.621389	-97.140528	39.5	39.4	39.5	0.1	39.4	39.5	0.1
H_64_CogginsJ	Coggins, J. R., House	805 Howell	Collin	Texas	33.194667	-96.621889	35.5	35.5	35.5	0.0	35.9	35.8	-0.1
H_65_CohnJoeH	Cohn, Joe, House	501 Sycamore	Ellis	Texas	32.399750	-96.845583	38.5	38.7	38.4	-0.3	39.4	39.2	-0.2
H_66_ColeHipp	Cole--Hipp House	309 E. Marvin	Ellis	Texas	32.391556	-96.841111	38.1	38.3	38.2	-0.1	38.9	38.9	0.0
H_67_ColemanC	Coleman--Cole House Collin County Mill and Elevator Company	1219 E. Marvin 407 E. Louisiana	Ellis Collin	Texas Texas	31.937556 33.197667	-96.841833 -96.609583	32.8 35.8	32.8 35.9	33.0 37.0	0.2	33.7	33.9	0.2
H_68_CollinCo													
H_456_Colonial	Colonial Hill Historic District	Bounded by Pennsylvania Ave., I-45, US 75 and Hatcher	Dallas	Texas	32.754610	-96.768158	51.2	51.5	51.8	0.3	52.1	52.3	0.2
H_69_Connally	Connally, Roy, House	205 E. University 3301-3333 Elm St., 212 and 232 Trunk Ave.	Ellis	Texas	32.399889	-96.853889	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_70_Continen	Continental Gin Company		Dallas	Texas	32.786250	-96.777167	55.4	55.7	56.3	0.6	55.9	56.2	0.3
H_71_CookeCou	Cooke County Courthouse	Public Square, bounded by California, Dixon, Main and Commerce Sts.	Cooke	Texas	33.624000	-97.145639	39.2	39.0	39.1	0.1	39.1	39.2	0.1
H_474_Corsican	Corsicana Commercial Historic District Corsicana Oil Field Discovery Well	Roughly bounded by 2nd Ave., the Southern Pacific RR tracks, 7th Ave. and Main St. 400 block S. 12th St.	Navarro	Texas	32.094210	-96.464189	25.0	25.1	25.1	0.0	25.4	25.5	0.1
H_72_Corsican													

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H_487_CottonBe	Cotton Belt Railroad Industrial Historic District	Along RR tracks, roughly bounded by Hudgins, Dooley, and Dallas Sts.	Tarrant	Texas	32.933469	-97.079313	50.5	50.7	50.6	-0.1	51.1	51.0	-0.1	
H_73_CrouchPe	Crouch--Perkins House	205 N. Church	Collin	Texas	33.198333	-96.606778	36.1	36.2	37.2	1.0	36.4	36.6	0.2	
H_74_DallasCo	Dallas County Courthouse	Houston and Commerce Sts.	Dallas	Texas	32.779278	-96.807333	52.4	52.7	52.5	-0.2	53.5	53.3	-0.2	
H_75_DallasFi	Dallas Fire Station No. 16	5501 Columbia Ave.	Dallas	Texas	32.799111	-96.755278	51.1	51.3	50.5	-0.8	51.5	50.7	-0.8	
H_76_DallasHa	Dallas Hall Dallas High School Historic District	Southern Methodist University campus	Dallas	Texas	32.845250	-96.784889	47.3	47.3	46.8	-0.5	47.7	47.2	-0.5	
H_451_DallasHi		2218 Bryan St. 1530 Main and 1511 Commerce St.	Dallas	Texas	32.786179	-96.793437	55.5	55.9	56.1	0.2	57.0	57.4	0.4	
H_77_DallasNa	Dallas National Bank		Dallas	Texas	32.780200	-96.798300	53.4	53.8	53.7	-0.1	54.7	54.4	-0.3	
H_78_DallasSc	Dallas Scottish Rite Temple Dallas Tent and Awning	Harwood and Young Sts.	Dallas	Texas	32.778889	-96.792222	53.9	54.2	54.2	0.0	55.0	55.0	0.0	
H_79_DallasTe	Building Dallas Times Herald Pasadena	3401 Commerce St.	Dallas	Texas	32.785194	-96.774861	55.3	55.6	56.2	0.6	55.5	56.0	0.5	
H_419_DallasTi	Perfect Home	6938 Wildgrove Ave.	Dallas	Texas	32.818928	-96.737892	48.7	48.8	48.0	-0.8	49.1	48.2	-0.9	
H_497_DallasUn	Dallas Union Terminal	400 S. Houston St.	Dallas	Texas	32.775382	-96.807750	52.0	52.2	52.0	-0.2	52.9	52.7	-0.2	
H_81_DavisHLH	Davis, H. L., House Davis, William and Anna,	705 N. College	Collin	Texas	33.203667	-96.621222	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6	
H_82_DavisWil	House	505 S. Denton St.	Cooke	Texas	33.619611	-97.142722	39.4	39.3	39.4	0.1	39.3	39.4	0.1	
H_80_DavisHil	Davis--Hill House	710 N. Church	Collin	Texas	33.205556	-96.616667	36.4	36.5	36.0	-0.5	36.8	36.1	-0.7	
H_450_DealeyPl	Dealey Plaza Historic District	Roughly bounded by Pacific Ave., Market St., Jackson St. and right of way of Dallas Right of Way Management Company	Dallas	Texas	32.778696	-96.807803	52.3	52.6	52.4	-0.2	53.4	53.2	-0.2	
NNL_1_Dealey	Dealey Plaza Historic District	Roughly bounded by Pacific Ave., Market St., Jackson St. and right of way of Dallas Right of Way Management Company	Dallas	Texas	32.778866	-96.808439	52.3	52.5	52.4	-0.1	53.3	53.2	-0.1	
H_448_DeGolyer	DeGolyer Estate	8525 Garland Rd.	Dallas	Texas	32.821771	-96.718051	48.3	48.4	47.6	-0.8	48.7	48.1	-0.6	
H_433_DenisonC	Denison Commercial Historic District	Roughly Woodard, Main and Chestnut Sts.	Grayson	Texas	33.755486	-96.538765	36.6	36.8	36.7	-0.1	37.2	37.1	-0.1	
H_83_DentonCo	Denton County Courthouse	Public Sq.	Denton	Texas	33.215139	-97.132972	41.7	41.7	41.8	0.1	41.8	42.0	0.2	

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H_439_DentonCo	Denton County Courthouse Square Historic District	Area bounded by Pecan, Austin, Walnut, and Cedar Sts.	Denton	Texas	33.214994	-97.132976	41.7	41.7	41.8	0.1	41.8	42.0	0.2
H_84_DillonGe	Dillon, George C., House	123 E. University	Ellis	Texas	32.398972	-96.854333	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
Pri10824	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.252007	-97.805497	27.0	27.1	25.8	-1.3	27.5	26.0	-1.5
NNL_7_Dinosa	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.251510	-97.812200	27.0	27.1	25.9	-1.2	27.5	26.1	-1.4
Pri10334	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.252115	-97.824905	27.2	27.3	26.5	-0.8	27.7	26.5	-1.2
Pri10580	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.260307	-97.815138	27.4	27.5	26.6	-0.9	27.9	26.6	-1.3
Pri10581	Dinosaur Valley State Park	Park Road 59	Somervell	Texas	32.268553	-97.815075	27.6	27.7	26.7	-1.0	28.1	26.7	-1.4
H_85_DixonMoo	Dixon--Moore House	2716 Peabody	Dallas	Texas	32.802222	-96.778917	53.7	54.0	53.4	-0.6	54.6	54.0	-0.6
H_86_DowellJS	Dowell, J. S., House	608 Parker	Collin	Texas	33.193222	-96.622583	35.4	35.5	35.4	-0.1	35.8	35.8	0.0
H_87_DulaneyJ	Dulaney, Joe E., House	311 S. Chestnut	Collin	Texas	33.194861	-96.613111	35.5	35.5	36.0	0.5	35.8	36.0	0.2
H_88_DulaneyJ	Dulaney, Joseph Field, House	315 S. Chestnut	Collin	Texas	33.194500	-96.613111	35.4	35.4	36.0	0.6	35.8	36.0	0.2
H_89_Dunkerly	Dunkerly, G. G., House	607 W. Baylor	Ellis	Texas	32.326667	-96.633417	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_90_EasthamD	Eastham, D. D., House	401 E. Marvin	Ellis	Texas	31.943028	-96.857167	33.3	33.3	33.4	0.1	34.2	34.4	0.2
H_91_Eddleman	Eddleman-McFarland House	1110 Penn St.	Tarrant	Texas	32.747250	-97.342778	48.2	48.2	47.8	-0.4	48.0	47.6	-0.4
H_92_Electric	Electric Building Elizabeth Boulevard Historic District	410 W. 7th St.	Tarrant	Texas	32.751500	-97.333222	47.5	47.5	47.1	-0.4	47.5	47.1	-0.4
H_435_Elizabet		1001--1616 Elizabeth Blvd.	Tarrant	Texas	32.716573	-97.339184	46.5	46.4	47.2	0.8	45.8	46.7	0.9
		Roughly bounded by both sides of Waxahachie Creek N to Union Pacific RR tracks & between both sides of Elm and Flat Sts.											
H_466_EllisCou	Ellis County Courthouse Historic District Ellis, James H. and Molly,		Ellis	Texas	32.384078	-96.848732	38.5	38.7	38.7	0.0	39.4	39.4	0.0
H_93_EllisJam	House	2426 Pine	Dallas	Texas	32.755028	-96.761944	51.3	51.6	52.3	0.7	52.0	52.6	0.6
H_94_EmanuelL	Emanuel Lutheran Church	4301 San Jacinto	Dallas	Texas	32.800639	-96.781083	54.5	54.7	54.4	-0.3	55.4	54.9	-0.5
H_471_EnnisCom	Ennis Commercial Historic District	Roughly bounded by W. Baylor, N. Main, W. Crockett, and McKinney Sts.	Ellis	Texas	32.327846	-96.627981	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_95_EnnisCot	Ennis Cotton Compress	111 E. Lampasas	Ellis	Texas	32.323583	-96.623083	30.2	30.3	28.7	-1.6	30.5	28.8	-1.7
H_96_EnnisCot	Ennis Cotton Oil Company	800 blk S. Kaufman	Ellis	Texas	32.322400	-96.620800	30.2	30.3	28.7	-1.6	30.4	28.8	-1.6
H_97_EnnisHig	Ennis High School	501 N. Gaines	Ellis	Texas	32.328500	-96.634417	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6

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H_98_ErwinRH	Erwin, J. R., House	414 W. Marvin	Ellis	Texas	32.394361	-96.848056	38.6	38.8	38.6	-0.2	39.5	39.4	-0.1	
H_99_EstesHou	Estes House	903 N. College St.	Collin	Texas	33.204750	-96.621194	36.2	36.2	35.6	-0.6	36.5	35.9	-0.6	
H_100_FainHous	Fain House	403 N. Preston	Ellis	Texas	32.328472	-96.632944	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6	
NNL_2_FairPa	Fair Park Texas Centennial Buildings	Northeast of the intersection of Perry and 2nd Avenues	Dallas	Texas	32.781401	-96.763688	53.7	54.0	54.3	0.3	54.0	54.3	0.3	
H_102_FairesFC	Faires, F. C., House	505 S. Chestnut	Collin	Texas	33.192528	-96.613389	35.3	35.3	36.0	0.7	35.7	36.0	0.3	
H_101_FairesBe	Faires--Bell House	S side Chestnut Sq.	Collin	Texas	33.194667	-96.612889	35.4	35.5	36.1	0.6	35.8	36.0	0.2	
H_486_Fairmoun	Fairmount--Southside Historic District	Roughly bounded by Magnolia, Hemphill, Eighth, and Jessamine	Tarrant	Texas	32.724270	-97.337631	47.2	47.2	47.6	0.4	46.4	47.0	0.6	
		Roughly bounded by Magnolia, Hemphill, Allen, Travis and Morphy St.												
H_485_Fairmoun	Fairmount--Southside Historic District (Boundary Increase)	Fannin, James W., Elementary School	Tarrant	Texas	32.729738	-97.332368	47.3	47.2	47.5	0.3	46.7	47.0	0.3	
H_103_FanninJa	Fannin, James W., Elementary School	4800 Ross Ave.	Dallas	Texas	32.805417	-96.775833	52.4	52.7	52.0	-0.7	53.3	52.5	-0.8	
H_104_FarmersN	Farmers National Bank	68 W. Elm St.	Hill	Texas	32.010500	-97.131250	38.5	38.6	38.7	0.1	38.9	39.0	0.1	
H_105_Farmersv	Farmersville Masonic Lodge No. 214, A.F. & A.M.	101 S. Main St.	Collin	Texas	33.163600	-96.359600	32.8	32.8	34.9	2.1	33.1	35.2	2.1	
H_106_FarrarHo	Farrar House	601 S. Main W	Ellis	Texas	32.321417	-96.622278	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6	
H_107_Ferguson	Ferguson, John H., House	607 N. Church	Collin	Texas	33.202889	-96.617611	36.2	36.3	35.9	-0.4	36.6	36.0	-0.6	
H_108_FerrisSc	Ferris School	411 Gibson	Ellis	Texas	32.386528	-96.843556	38.3	38.4	38.4	0.0	39.1	39.1	0.0	
H_404_Fidelity	Fidelity Union Life Insurance Building	1511 Bryan and 1507 Pacific Ave.	Dallas	Texas	32.783993	-96.800109	54.0	54.3	54.2	-0.1	55.4	55.1	-0.3	
H_109_FirstChr	First Christian Church	612 Throckorton St.	Tarrant	Texas	32.752556	-97.332333	47.4	47.4	47.1	-0.3	47.5	47.1	-0.4	
H_414_FirstMet	First Methodist Church of Rockwall	303 E. Rusk	Rockwall	Texas	32.930878	-96.458325	45.3	45.3	44.8	-0.5	45.5	45.0	-0.5	
H_110_FirstNat	First National Bank Building	101 E. Moore	Kaufman	Texas	32.736583	-96.276944	42.6	42.7	41.5	-1.2	43.1	41.9	-1.2	
H_401_FirstNat	First National Bank Building	711 Houston St.	Tarrant	Texas	32.754458	-97.330807	47.3	47.3	47.0	-0.3	47.4	47.1	-0.3	
H_111_FirstPre	First Presbyterian Church	410 NW 2nd St.	Palo Pinto	Texas	32.811472	-98.115889	38.6	38.7	39.4	0.7	38.9	39.7	0.8	
H_112_Flatiron	Flatiron Building	1000 Houston St.	Tarrant	Texas	32.750556	-97.329722	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4	
H_113_Florence	Florence, Fred, Hall	3330 University Blvd.	Dallas	Texas	32.845361	-96.786333	47.4	47.4	46.9	-0.5	47.8	47.2	-0.6	
H_114_FooteCro	Foote--Crouch House	401 N. Benge	Collin	Texas	33.194583	-96.617833	35.6	35.6	35.8	0.2	35.9	35.9	0.0	

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H_115_ForestAv	Forest Avenue High School, Old	3000 Martin Luther King, Jr., Blvd.	Dallas	Texas	32.771333	-96.764944	53.6	54.0	54.9	0.9	54.2	55.1	0.9
H_116_ForestW	Forrest, W. B., House	500 Royal	Ellis	Texas	31.941306	-96.861444	33.4	33.3	33.5	0.2	34.4	34.5	0.1
H_436_FortRich	Fort Richardson	S of Jacksboro on U.S. 281	Jack	Texas	33.206862	-98.157314	41.3	41.6	38.2	-3.4	41.8	38.5	-3.3
H_437_FortRich	Fort Richardson	S of Jacksboro on U.S. 281	Jack	Texas	33.206862	-98.157314	41.3	41.6	38.2	-3.4	41.8	38.5	-3.3
NNL_3_FortRi	Fort Richardson	S of Jacksboro on U.S. 281	Jack	Texas	33.207109	-98.163137	41.2	41.4	38.3	-3.1	41.6	38.5	-3.1
H_406_FortWort	Fort Worth Botanic Garden Fort Worth Club Building--1916	3220 Botanic Garden Blvd. 608-610 Main St.	Tarrant	Texas	32.738498	-97.361839	47.6	47.5	47.2	-0.3	47.1	46.8	-0.3
H_117_FortWort	Fort Worth Elks Lodge 124	512 W. 4th St.	Tarrant	Texas	32.744778	-97.330778	47.4	47.5	47.2	-0.3	47.4	47.0	-0.4
H_118_FortWort	Fort Worth High School Fort Worth Nature Center & Refuge	1015 S. Jennings Ave. 9601 Fossil Ridge Rd.	Tarrant	Texas	32.753056	-97.334889	47.5	47.6	47.2	-0.4	47.6	47.2	-0.4
Pri18493	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.860146	-97.497842	45.9	46.1	45.8	-0.3	46.3	46.1	-0.2
Pri18494	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.868391	-97.497748	46.0	46.2	45.7	-0.5	46.4	46.0	-0.4
Pri18737	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.851821	-97.488166	46.5	46.6	46.6	0.0	46.9	46.9	0.0
Pri18738	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.860067	-97.488072	46.5	46.6	46.4	-0.2	46.9	46.6	-0.3
Pri18982	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.851741	-97.478397	47.2	47.4	47.5	0.1	47.7	47.8	0.1
Pri19228	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.859906	-97.468532	47.3	47.5	47.2	-0.3	47.7	47.5	-0.2
NNL_8_FortWo	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.844830	-97.477200	47.6	47.8	48.0	0.2	48.1	48.3	0.2
Pri18981	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.843495	-97.478492	47.6	47.7	48.0	0.3	48.0	48.3	0.3
Pri19227	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.851660	-97.468628	47.9	48.1	48.1	0.0	48.4	48.4	0.0
Pri18979	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.827004	-97.478682	48.2	48.3	48.3	0.0	48.6	48.5	-0.1
Pri18980	Fort Worth Nature Center & Refuge	9601 Fossil Ridge Rd.	Tarrant	Texas	32.835249	-97.478587	48.2	48.4	48.7	0.3	48.6	48.9	0.3
H_120_FortWort	Fort Worth Public Market	1400 Henderson St.	Tarrant	Texas	32.744333	-97.338056	47.9	48.0	47.6	-0.4	47.6	47.3	-0.3
H_481_FortWort	Fort Worth Stockyards Historic District	Roughly bounded by 23rd, Houston, and 28th Sts., and railroad	Tarrant	Texas	32.790256	-97.345544	49.1	49.1	49.2	0.1	49.0	49.1	0.1
H_121_FortWort	Fort Worth US Courthouse	501 W. 10th St.	Tarrant	Texas	32.748972	-97.334111	47.6	47.6	47.2	-0.4	47.5	47.2	-0.3

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H_122_FoxSHou	Fox, S. H., House	808 Tucker	Collin	Texas	33.202861	-96.625750	36.1	36.2	35.5	-0.7	36.5	35.9	-0.6	
H_123_G&JManuf	G & J Manufacturing	3912 Willow St.	Dallas	Texas	32.785667	-96.770556	54.8	55.1	55.3	0.2	54.9	55.1	0.2	
H_389_Gallaghe	Gallagher House	2729 Union Hill Rd.	Palo Pinto	Texas	32.882620	-98.147709	39.7	39.8	40.5	0.7	40.1	40.9	0.8	
H_124_Gebhardt	Gebhardt Bakery Gilbert, Samuel and Julia, House	119 E. Franklin St. 2540 Farmers Branch Ln.	Hill	Texas	32.011917	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1	
H_125_GilbertS	Gillespie Farm	908 S. Mulberry	Ellis	Texas	32.325500	-96.612000	29.6	29.6	28.0	-1.6	29.8	28.2	-1.6	
H_126_Gillespi	Goodner, Jim B., House	302 S. Tennessee	Collin	Texas	33.195083	-96.615250	35.5	35.5	35.9	0.4	35.8	35.9	0.1	
H_127_GoodnerJ	Goodyear Tire and Rubber Company Building and B.F. Goodrich Building	2809 Parry Ave. and 4136-40 Commerce St.	Dallas	Texas	32.774778	-96.765917	53.9	54.2	55.2	1.0	54.3	55.3	1.0	
H_128_Goodyear	Goodyear Tire and Rubber Company Building and B.F. Goodrich Building	2809 Parry Ave. and 4136-40 Commerce St.	Dallas	Texas	32.774583	-96.766361	53.9	54.2	55.2	1.0	54.4	55.3	0.9	
H_129_Goodyear	Gouch--Hughston House Grace Methodist Episcopal Church	1206 W. Louisiana	Collin	Texas	33.197472	-96.626972	35.8	35.8	35.4	-0.4	36.2	35.8	-0.4	
H_130_GouchHug	Graham, Dr. L. H., House	4105 Junius St.	Dallas	Texas	32.793417	-96.775917	54.7	55.0	54.8	-0.2	55.4	55.1	-0.3	
H_131_GraceMet	Roughly Grand Ave. from Northside to Park	909 W. Marvin	Ellis	Texas	32.396361	-96.853333	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2	
H_483_GrandAve	Grand Avenue Historic District	404--432 S. Main St.	Tarrant	Texas	32.772269	-97.360844	49.5	49.5	49.6	0.1	49.2	49.2	0.0	
H_489_Grapevin	Grapevine Commercial Historic District	500-530 S. Main St.	Tarrant	Texas	32.936973	-97.078689	50.7	50.8	50.8	0.0	51.2	51.1	-0.1	
H_491_Grapevin	Grapevine Commercial Historic District (Boundary Increase II)	300 and 400 blocks of S. Main St.	Tarrant	Texas	32.936014	-97.078712	50.7	50.8	50.7	-0.1	51.2	51.1	-0.1	
H_490_Grapevin	Between Schoolhouse Rd. and Lanier Rd., Forestburg, TX	5439 Swiss Ave.	Dallas	Texas	32.938020	-97.078366	50.8	50.9	50.8	-0.1	51.4	51.2	-0.2	
NNL_9_Greenw	Greer, George C., House	Approx. 0.5 mi W of Lois Rd., near the Denton Co. line	Montague	Texas	33.511520	-97.579400	27.3	27.4	28.1	0.7	27.9	29.7	1.8	
H_133_GreerGeo	Gregory Road Bridge at Duck Creek	110 N. Waco St.	Denton	Texas	33.424800	-97.233000	50.8	51.0	50.3	-0.7	51.5	50.6	-0.9	
H_134_GregoryR	Grimes Garage	Country Club Rd. and Corporation St.	Hill	Texas	32.012306	-97.129917	38.6	38.7	38.8	0.1	39.0	39.1	0.1	
H_135_GrimesGa	Grimes House	1200 South Freeway	Tarrant	Texas	32.012972	-97.114361	38.9	39.0	39.1	0.1	39.4	39.5	0.1	
H_504_GuinnJam	Guinn, James E., School						46.8	46.7	47.0	0.3	46.6	46.9	0.3	

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H_398_GulfOilD	Gulf Oil Distribution Facility	501 Second Ave	Dallas	Texas	32.783776	-96.773052	55.1	55.4	56.0	0.6	55.3	55.7	0.4
H_137_GulfColo	Gulf, Colorado and Sante Fe Railroad Passenger Station	1601 Jones St.	Tarrant	Texas	32.749194	-97.324083	47.3	47.2	46.9	-0.3	47.3	47.0	-0.3
H_500_H&TCRail	H & TC Railroad Division Yard Shop	1311 N. Main St., W.	Ellis	Texas	32.337417	-96.634975	29.9	30.0	28.2	-1.8	30.2	28.4	-1.8
H_138_HallFurn	Hall Furniture Building	118 W. Lamar	Grayson	Texas	33.644167	-96.609611	36.5	36.6	36.5	-0.1	37.0	36.9	-0.1
H_139_HarlanBu	Harlan Building	2018 Cadiz St.	Dallas	Texas	32.778300	-96.790200	54.0	54.3	54.4	0.1	55.1	55.1	0.0
H_140_HartMere	Hart, Meredith, House	E of Rio Vista on SR 916	Johnson	Texas	32.239056	-97.357917	30.0	29.2	30.3	1.1	28.7	29.9	1.2
H_141_HawkesZT	Hawkes, Z. T. (Tip), House	132 N. Potter St.	Dallas	Texas	32.591389	-96.959472	42.1	42.3	42.7	0.4	42.8	43.2	0.4
H_142_HeardCra	Heard--Craig House	205 W. Hunt	Collin	Texas	33.198889	-96.616861	35.8	35.9	35.9	0.0	36.2	36.0	-0.2
H_391_Henderso	Henderson Street Bridge	Henderson Street at the Clear Fork of the Trinity River	Tarrant	Texas	32.758718	-97.341156	48.0	48.1	47.9	-0.2	47.9	47.8	-0.1
H_392_Henderso	Henderson Street Bridge	Henderson Street at the Clear Fork of the Trinity River	Tarrant	Texas	32.760294	-97.343080	48.3	48.4	48.2	-0.2	48.2	48.0	-0.2
H_397_Heritage	Heritage Park Plaza	W Bluff St at Main St	Tarrant	Texas	32.760065	-97.334630	47.4	47.4	47.2	-0.2	47.5	47.3	-0.2
H_494_Highland	Highland Park Shopping Village	Jct. of Preston Rd. and Mockingbird Ln.	Dallas	Texas	32.835671	-96.805618	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5
NNL_4_Highla	HighlandPark Shopping Village	Jct. of Preston Rd. and Mockingbird Ln.	Dallas	Texas	32.835738	-96.805609	50.6	50.9	50.4	-0.5	51.8	51.3	-0.5
H_143_HighwayG	Highway Garage	315 W. Main	Ellis	Texas	32.386300	-96.849000	38.6	38.7	38.7	0.0	39.4	39.4	0.0
H_145_HillCoun	Hill County Courthouse	Courthouse Sq.	Hill	Texas	32.011306	-97.130889	38.5	38.6	38.7	0.1	38.9	39.0	0.1
H_146_HillCoun	Hill County Jail	N. Waco St.	Hill	Texas	32.014278	-97.129667	38.6	38.7	38.8	0.1	39.0	39.1	0.1
H_147_HillBenH	Hill, Ben, House	509 Tucker	Collin	Texas	33.202361	-96.628556	36.2	36.3	35.6	-0.7	36.7	36.0	-0.7
H_148_HillJohn	Hill, John B., House	605 N. College	Collin	Texas	33.202944	-96.621250	36.1	36.1	35.6	-0.5	36.5	35.9	-0.6
H_149_HillMora	Hill, Moran, House	203 N. Waddill	Collin	Texas	33.198361	-96.626944	35.8	35.9	35.4	-0.5	36.2	35.8	-0.4
H_150_HillWRHo	Hill, W. R., House	601 N. College	Collin	Texas	33.202583	-96.621250	36.1	36.1	35.6	-0.5	36.4	35.9	-0.5
H_151_Hillsbor	Hillsboro Cotton Mills	220 N. Houston St.	Hill	Texas	32.012917	-97.135111	38.4	38.5	38.6	0.1	38.8	38.9	0.1
H_503_Hillsbor	Hillsboro Residential Historic District	Roughly bounded by Country Club Rd., Thompson, Corsicana, Pleasant, Franklin, and Elm Sts.	Hill	Texas	32.012839	-97.121295	38.7	38.8	38.9	0.1	39.2	39.4	0.2
H_144_HillWebb	Hill--Webb Grain Elevator	400 E. Louisiana	Collin	Texas	33.196583	-96.609833	35.7	35.8	36.9	1.1	36.0	36.3	0.3

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H_152_HiltonHo	Hilton Hotel	1933 Main St.	Dallas	Texas	32.781944	-96.794361	54.2	54.5	54.6	0.1	55.5	55.4	-0.1	
H_153_HinesEMH	Hines, E. M., House	124 Kaufman	Ellis	Texas	32.385444	-96.843389	38.3	38.4	38.4	0.0	39.1	39.1	0.0	
H_154_HoggAlex	Hogg, Alexander, School	900 St. Louis Ave.	Tarrant	Texas	32.737000	-97.329000	47.3	47.2	47.2	0.0	47.1	46.9	-0.2	
H_472_HoodCoun	Hood County Courthouse Historic District	Courthouse Sq., bounded by Bridge, Pearl, and Houston Sts.	Hood	Texas	32.442715	-97.787005	28.7	28.9	26.5	-2.4	29.1	26.7	-2.4	
H_155_HotelAdo	Hotel Adolphus	1315 Commerce St.	Dallas	Texas	32.779944	-96.799417	53.3	53.6	53.4	-0.2	54.6	54.2	-0.4	
H_156_HotelTex	Hotel Texas	815 Main St.	Tarrant	Texas	32.752611	-97.329361	47.3	47.3	47.0	-0.3	47.4	47.0	-0.4	
H_157_Houseat1	House at 104 Kaufman	104 Kaufman	Ellis	Texas	32.384917	-96.844250	38.3	38.5	38.5	0.0	39.1	39.2	0.1	
H_158_Houseat1	House at 106 East Denton	106 E. Denton	Ellis	Texas	32.332722	-96.628583	30.0	30.0	28.3	-1.7	30.2	28.4	-1.8	
H_159_Houseat1	House at 106 Kaufman	106 Kaufman	Ellis	Texas	32.385083	-96.843806	38.2	38.4	38.4	0.0	39.1	39.1	0.0	
H_160_Houseat1	House at 111 Brown	111 Brown	Ellis	Texas	32.393389	-96.843833	38.3	38.5	38.3	-0.2	39.2	39.1	-0.1	
H_161_Houseat1	House at 111 Williams	111 Williams	Ellis	Texas	32.388667	-96.841806	38.1	38.3	38.2	-0.1	39.0	39.0	0.0	
H_162_Houseat1	House at 113 East Ross	113 E. Ross	Ellis	Texas	32.395861	-96.840778	38.1	38.3	38.1	-0.2	39.0	38.9	-0.1	
H_163_Houseat1	House at 1301 East Marvin	1301 E. Marvin	Ellis	Texas	31.937722	-96.841222	32.8	32.8	32.9	0.1	33.7	33.8	0.1	
H_164_Houseat1	House at 1303 W. Louisiana	1303 W. Louisiana	Collin	Texas	33.196750	-96.627861	35.8	35.8	35.4	-0.4	36.2	35.8	-0.4	
H_165_Houseat1	House at 1423 Sycamore	1423 Sycamore	Ellis	Texas	32.404278	-96.857611	39.3	39.5	39.1	-0.4	40.3	39.9	-0.4	
H_166_Houseat2	House at 201 N. Graves	201 N. Graves	Collin	Texas	33.198778	-96.629944	36.1	36.2	35.6	-0.6	36.5	36.0	-0.5	
H_167_Houseat3	House at 301 E. Lamar	301 E. Lamar	Collin	Texas	33.200722	-96.617667	36.1	36.1	35.9	-0.2	36.4	36.0	-0.4	
H_168_Houseat3	House at 301 Turner	301 Turner	Ellis	Texas	32.380778	-96.854750	38.8	39.0	39.0	0.0	39.7	39.7	0.0	
H_169_Houseat3	House at 320 East Marvin	320 E. Marvin	Ellis	Texas	32.390639	-96.840500	38.1	38.2	38.2	0.0	38.9	38.9	0.0	
H_170_Houseat4	House at 404 East Crockett	404 E. Crockett	Ellis	Texas	32.328472	-96.623806	30.0	30.1	28.4	-1.7	30.3	28.6	-1.7	
H_171_Houseat4	House at 418 North College	418 N. College	Ellis	Texas	32.390167	-96.844528	38.3	38.5	38.4	-0.1	39.2	39.2	0.0	
H_172_Houseat5	House at 500 North Main, East	500 N. Main E	Ellis	Texas	32.331806	-96.628611	30.0	30.1	28.4	-1.7	30.3	28.5	-1.8	
H_173_Houseat5	House at 501 North Grand	501 N. Grand	Ellis	Texas	32.402667	-96.858917	39.3	39.5	39.1	-0.4	40.4	40.0	-0.4	
H_174_Houseat5	House at 508 North Dallas	508 N. Dallas	Ellis	Texas	32.331111	-96.630306	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7	
H_175_Houseat5	House at 509 West Brown	509 W. Brown	Ellis	Texas	32.324639	-96.631111	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5	
H_176_Houseat5	House at 512 North Grand	512 N. Grand	Ellis	Texas	32.401056	-96.859167	39.3	39.5	39.2	-0.3	40.4	40.0	-0.4	
H_177_Houseat5	House at 523 Highland	523 Highland	Ellis	Texas	32.401389	-96.857250	39.2	39.5	39.1	-0.4	40.3	39.9	-0.4	
H_178_Houseat6	House at 610 Tucker	610 Tucker	Collin	Texas	33.202889	-96.627472	36.2	36.3	35.6	-0.7	36.6	36.0	-0.6	

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H_179_Houseat6	House at 625 Cantrell	625 Cantrell	Ellis	Texas	32.381139	-96.854306	38.8	39.0	39.0	0.0	39.6	39.7	0.1
H_180_Houseat7	House at 700 South Rogers	700 S. Rogers	Ellis	Texas	32.379333	-96.854361	38.8	39.0	39.0	0.0	39.7	39.7	0.0
H_181_Houseat7	House at 703 South College	703 S. College	Ellis	Texas	32.378222	-96.853750	38.8	38.9	39.0	0.1	39.7	39.7	0.0
H_182_Houseat7	House at 704 Parker	704 Parker	Collin	Texas	33.192694	-96.622389	35.4	35.4	35.5	0.1	35.8	35.8	0.0
H_183_Houseat7	House at 708 East Brown	708 E. Brown	Ellis	Texas	32.330750	-96.619694	29.6	29.7	28.0	-1.7	29.8	28.2	-1.6
H_184_Houseat7	House at 712 East Marvin	712 E. Marvin	Ellis	Texas	32.388361	-96.835028	37.7	37.9	37.8	-0.1	38.5	38.6	0.1
H_185_Houseat7	House at 722 West Madison	722 W. Madison	Ellis	Texas	32.316667	-96.628778	29.9	30.0	29.0	-1.0	30.1	29.2	-0.9
H_186_Houseat8	House at 802 East Ennis	802 E. Ennis	Ellis	Texas	32.331667	-96.620306	29.6	29.7	28.0	-1.7	29.8	28.1	-1.7
H_187_Houseat8	House at 803 Cantrell	803 Cantrell	Ellis	Texas	32.381167	-96.856667	38.9	39.1	39.1	0.0	39.8	39.8	0.0
H_188_Houseat8	House at 806 South Dallas	806 S. Dallas	Ellis	Texas	32.321417	-96.622278	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_189_Houseat8	House at 807 North Preston	807 N. Preston	Ellis	Texas	32.332833	-96.635361	30.1	30.2	28.5	-1.7	30.4	28.7	-1.7
H_190_Houseat8	House at 810 North Preston	810 N. Preston	Ellis	Texas	32.332472	-96.634944	30.1	30.2	28.6	-1.6	30.4	28.7	-1.7
H_191_Houseat8	House at 816 Cantrell	816 Cantrell	Ellis	Texas	32.382028	-96.854722	38.8	39.0	39.0	0.0	39.7	39.7	0.0
H_192_Houseat8	House at 816 West Water	816 W. Water	Ellis	Texas	31.940833	-96.864833	33.4	33.4	33.6	0.2	34.5	34.6	0.1
H_193_Houseat9	House at 901 Cantrell	901 Cantrell	Ellis	Texas	32.380528	-96.861139	39.1	39.3	39.3	0.0	40.0	40.0	0.0
H_194_Housesat	Houses at 406 and 408 Heard	406 & 408 Heard	Collin	Texas	33.204694	-96.618417	36.4	36.4	35.8	-0.6	36.7	36.0	-0.7
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H_495_HoustonS	Houston Street Viaduct	Houston St. roughly between Arlington St. and Lancaster Ave.	Dallas	Texas	32.768683	-96.809696	51.2	51.4	51.2	-0.2	52.0	51.8	-0.2
H_430_Humphrie	Humphries, William H. and Molly P., House	201 S. Main St.	Van Zandt	Texas	32.698189	-95.886803	41.1	41.3	39.2	-2.1	41.7	39.6	-2.1
H_195_HuntCoun	Hunt County Courthouse	2500 Lee St.	Hunt	Texas	33.139389	-96.106389	42.3	42.3	40.1	-2.2	42.7	40.5	-2.2
H_196_Hutcheso	Hutcheson-Smith House	312 N. Oak St.	Tarrant	Texas	32.740278	-97.109528	50.8	51.0	50.9	-0.1	51.3	51.2	-0.1
H_197_HyerHall	Hyer Hall	6424 Hill Lane	Dallas	Texas	32.844833	-96.784056	47.3	47.3	46.8	-0.5	47.7	47.2	-0.5
H_198_Intersta	Interstate Forwarding Company Warehouse	3200 Main St.	Dallas	Texas	32.784889	-96.777194	55.5	55.8	56.5	0.7	55.9	56.4	0.5
H_200_JohnsonC	Johnson County Courthouse	1 Public Sq.	Johnson	Texas	32.347194	-97.386139	31.4	30.9	31.5	0.6	31.0	31.7	0.7
H_201_JohnsonF	Johnson Farm	Johnson Branch Park	Denton	Texas	33.417778	-97.048306	40.6	40.5	40.7	0.2	40.6	41.0	0.4
H_202_JohnsonJ	Johnson, John, House	302 Anthony	Collin	Texas	33.193778	-96.613139	35.4	35.4	36.0	0.6	35.7	36.0	0.3
H_203_JohnsonT	Johnson, Thomas, House	312 S. Tennessee	Collin	Texas	33.194722	-96.615250	35.5	35.5	35.9	0.4	35.8	35.9	0.1

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H_199_JohnsonE	Johnson-Elliott House	3 Chase Ct.	Tarrant	Texas	32.725500	-97.332000	46.9	46.9	47.4	0.5	46.4	46.9	0.5	
H_204_JoinerLo	Joiner-Long House	604 Prairie Ave.	Johnson	Texas	32.339700	-97.391300	31.0	30.5	31.8	1.3	30.4	32.1	1.7	
H_205_JoleschH	Jolesch House	504 W. Knox	Ellis	Texas	32.326833	-96.632139	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5	
H_206_JonesFar	Jones Farm	Johnson Branch Park, Lake Ray Roberts	Denton	Texas	33.414917	-97.044194	40.4	40.3	40.6	0.3	40.5	40.9	0.4	
H_207_JoshuaCh	Joshua Chapel A.M.E. Church	110 Ailen	Ellis	Texas	32.381167	-96.846028	38.4	38.5	38.6	0.1	39.2	39.3	0.1	
H_208_KatyDepo	Katy Depot	3102 Lee St.	Hunt	Texas	33.140417	-96.112361	42.4	42.5	40.0	-2.5	42.8	40.5	-2.3	
Roughly bounded by Kidd Springs, Stewart, Oak Cliff, Plymouth, I-30, Turner, Colorado and Sylvan														
H_465_KesslerP	Kessler Park Historic District	Colorado and Sylvan	Dallas	Texas	32.758267	-96.844486	50.2	50.3	50.2	-0.1	50.6	50.5	-0.1	
H_464_KesslerP	Kessler Park Historic District (Boundary Increase)	Bounded by Turner, Colorado, Sylvan and Salmon	Dallas	Texas	32.758406	-96.837401	50.0	50.1	50.0	-0.1	50.5	50.3	-0.2	
H_209_KingMrsJ	King, Mrs. J. C., House	405 W. Louisiana	Collin	Texas	33.196556	-96.608111	35.9	36.0	37.2	1.2	36.2	36.4	0.2	
H_434_KingsHig	King's Highway Historic District	900-1500 Blocks of King's Highway between W. Davis St. and Montclair Ave.	Dallas	Texas	32.752256	-96.842629	49.5	49.7	49.7	0.0	50.0	49.9	-0.1	
H_210_Kirkpatr	Kirkpatrick, E. W., House and Barn	903 Parker	Collin	Texas	33.189444	-96.622472	35.2	35.3	35.5	0.2	35.6	35.8	0.2	
H_211_KirvenJD	Kirven, J. D., House	601 Sycamore	Ellis	Texas	32.400472	-96.846833	38.5	38.8	38.4	-0.4	39.5	39.3	-0.2	
H_212_Knightso	Knights of Pythias Building	315 Main St.	Tarrant	Texas	32.755361	-97.331444	47.3	47.4	47.1	-0.3	47.4	47.2	-0.2	
H_213_KogerWil	Koger, William, House	409 Kaufman	Ellis	Texas	32.387556	-96.839917	38.0	38.2	38.2	0.0	38.8	38.9	0.1	
H_214_KohlErns	Kohl, Ernst Martin, Building	300 E. Main St.	Grayson	Texas	33.755000	-96.531833	36.2	36.3	36.2	-0.1	36.7	36.6	-0.1	
H_415_KressBui	Kress Building	604 Main St.	Tarrant	Texas	32.753590	-97.331271	47.4	47.4	47.0	-0.4	47.4	47.1	-0.3	
Roughly bounded by E. 6th St., Beckley Ave., Zangs Blvd. and Marsalis Ave.														
H_461_LakeClif	Lake Cliff Historic District	Dallas	Texas	32.756666	-96.818811	49.7	49.9	49.8	-0.1	50.3	50.2	-0.1		
Roughly bounded by E. Jefferson Blvd., S. Marsalis, E. 10th St., E. 9th St. and N. Lancaster Ave.														
H_460_Lancaste	Lancaster Avenue Commercial Historic District	Dallas	Texas	32.748586	-96.814735	49.0	49.2	49.0	-0.2	49.7	49.4	-0.3		
H_215_Langsfor	Langsford, Samuel, House	1208 E. Marvin	Ellis	Texas	32.388444	-96.828222	37.3	37.4	37.4	0.0	38.0	38.0	0.0	
H_496_Lawrence	Lawrence, Stephen Decatur, Farmstead	701 E. Kearney St.	Dallas	Texas	32.770382	-96.589227	45.3	45.4	45.5	0.1	45.9	45.8	-0.1	

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H_421_LemmonMa	Lemmon, Mark and Maybelle, House	3211 Mockingbird Ln. 301-311 W. Leuda and 805-807 May Sts.	Dallas Tarrant	Texas	32.838288 32.736100	-96.784701 -97.328300	47.9 47.2	48.0 47.2	47.5 47.2	-0.5 0.0	48.5 47.0	47.9 46.9	-0.6 -0.1
H_216_LeudaMay	Leuda-May Historic District	2433 Martin Luther King, Jr., Blvd.	Dallas	Texas	32.765694	-96.772556	53.0	53.3	53.8	0.5	53.7	54.2	0.5
H_217_LeviMose	Levi--Moses House	2603 Martin Luther King, Jr., Blvd.	Dallas	Texas	32.767444	-96.770583	53.4	53.7	54.4	0.7	54.1	54.7	0.6
H_218_LeviTopl	Levi--Topletz House		Dallas	Texas	32.767444	-96.770583	53.4	53.7	54.4	0.7	54.1	54.7	0.6
H_219_LewisWil	Lewis, William, House Lincoln Paint and Color Company Building	1201 E. Marvin	Ellis	Texas	32.388806	-96.829278	37.4	37.5	37.4	-0.1	38.1	38.1	0.0
H_220_LincolnP	Magnolia Building	3210 Main	Dallas	Texas	32.785056	-96.776972	55.5	55.8	56.4	0.6	55.9	56.3	0.4
H_221_Magnolia	Magnolia Petroleum Company City Sales and Warehouse	108 S. Akard St.	Dallas	Texas	32.780056	-96.799111	53.4	53.7	53.5	-0.2	54.6	54.2	-0.4
H_499_Magnolia	Majestic Theatre	1607 Lyte St.	Dallas	Texas	32.792824	-96.810433	54.5	54.8	54.8	0.0	56.0	55.8	-0.2
H_222_Majestic	Man, Ralpd Sandiford and Julia Boisseau, House	1925 Elm St.	Dallas	Texas	32.783667	-96.794806	54.5	54.9	55.0	0.1	55.9	55.9	0.0
H_223_ManRalpd	Marine Commercial Historic District	604 W. Broad St.	Tarrant	Texas	32.564200	-97.147900	39.8	39.8	40.4	0.6	39.7	40.5	0.8
H_478_MarineCo	210--14 St. Louis Ave. and 406--10 W. Daggett Ave.	Roughly defined by N. Main St., bet. N. Side Dr. and N. 14th St.	Tarrant	Texas	32.778041	-97.346915	49.8	49.8	49.8	0.0	49.5	49.5	0.0
H_224_MarkeenA	Markeen Apartments	4524 Live Oak	Tarrant	Texas	32.742222	-97.328472	47.3	47.3	47.0	-0.3	47.2	46.9	-0.3
H_225_MaryApar	Masonic Widows and Orphans Home Historic District	Roughly bounded by E. Berry St., Mitchell Blvd., Vaughn St., Wichita St. and Glen Garden Dr.	Dallas	Texas	32.799639	-96.775333	53.7	53.9	53.3	-0.6	54.3	53.7	-0.6
H_484_MasonicW	Matthews--Atwood House	307 N. Sherman	Tarrant	Texas	32.708840	-97.283955	45.5	45.3	46.0	0.7	45.4	46.1	0.7
H_226_Matthews	Matthews--Templeton House	606 W. Denton	Ellis	Texas	32.328444	-96.631667	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_227_Matthews	McCanless--Williams House	402 W. Tyler	Ellis	Texas	32.332111	-96.634333	30.2	30.2	28.5	-1.7	30.4	28.7	-1.7
H_228_McCanles	McCartney House McFarlin Memorial Auditorium	603 W. Marvin	Dallas	Texas	32.394944	-96.850167	38.7	38.9	38.7	-0.2	39.6	39.5	-0.1
H_229_McCartne	McIntosh, Roger D., House	6405 Hillcrest Rd.	Dallas	Texas	32.844167	-96.786361	47.4	47.5	47.0	-0.5	47.9	47.4	-0.5
H_230_McFarlin		1518 Abrams Rd.	Dallas	Texas	32.807194	-96.754000	50.0	50.2	49.3	-0.9	50.5	49.6	-0.9
H_231_McIntosh													

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H_441_McKinney	McKinney Commercial Historic District	Roughly bounded by Herndon, Wood, Cloyd, Davis, Louisiana, MacDonald, and Virginia Sts.	Collin	Texas	33.197772	-96.615241	35.6	35.7	35.9	0.2	36.0	35.9	-0.1
H_232_McKinney	McKinney Cotton Compress Plant	300 blk. Throckmorton	Collin	Texas	33.200500	-96.606500	36.2	36.3	37.2	0.9	36.6	36.7	0.1
H_442_McKinney	McKinney Cotton Mill Historic District	Roughly bounded by Elm, RR tracks, Burrus, Fowler, & Amscott	Collin	Texas	33.183304	-96.611346	35.0	34.9	36.3	1.4	35.2	36.1	0.9
H_233_McKinney	McKinney Hospital, Old	700--800 S. College	Collin	Texas	33.190861	-96.621361	35.4	35.4	35.5	0.1	35.7	35.8	0.1
H_234_McKinney	McKinney Hospital, Old	700--800 S. College	Collin	Texas	33.191611	-96.621972	35.4	35.4	35.5	0.1	35.7	35.8	0.1
H_440_McKinney	McKinney Residential Historic District	Roughly bounded by W. Lamar, N. Benge, W. Louisiana, & N. Oak	Collin	Texas	33.198872	-96.620682	35.9	35.9	35.5	-0.4	36.2	35.8	-0.4
H_235_MedicalD	Medical Dental Building	300 Blk. of West Jefferson Blvd.	Dallas	Texas	32.743556	-96.827111	48.5	48.6	48.4	-0.2	49.0	48.7	-0.3
H_236_Meredith	Meredith--McDowal House	701 N. Gaines	Ellis	Texas	32.330306	-96.635222	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_462_Milleran	Miller and Stemmons Historic District	Roughly bounded by W. Davis St., Woodlawn Ave., Neches and Elsbeth	Dallas	Texas	32.752742	-96.827863	49.3	49.4	49.3	-0.1	49.9	49.7	-0.2
H_395_MillerMa	Miller Manufacturing Company Building	311 Bryan Ave	Tarrant	Texas	32.743246	-97.325253	47.3	47.3	47.0	-0.3	47.2	46.9	-0.3
H_237_MillerJo	Miller, John Hickman, House	3506 Cedar Springs	Dallas	Texas	32.806861	-96.805917	58.4	58.9	59.2	0.3	60.1	60.3	0.2
H_475_MillsPla	Mills Place Historic District	Roughly bounded by W. 2nd Ave., Mills Place Dr. and W. Park Ave.	Navarro	Texas	32.092878	-96.478223	23.6	23.6	24.1	0.5	23.9	24.4	0.5
H_238_Missouri	Missouri-Kansas-Texas Company Railroad Station	Covington St.	Hill	Texas	32.012861	-97.131528	38.5	38.6	38.7	0.1	38.9	39.0	0.1
H_239_Mitchell	Mitchell, John E., Company Plant	3800 Commerce St.	Dallas	Texas	32.784778	-96.771444	54.9	55.2	55.6	0.4	55.1	55.3	0.2
H_416_MonroeSh	Monroe Shops	2111 S. Corinth St.	Dallas	Texas	32.724327	-96.804552	47.6	47.7	47.2	-0.5	48.2	47.4	-0.8
H_240_Montgome	Montgomery Ward and Company Building	801 Grove St.	Tarrant	Texas	32.754111	-97.326333	47.2	47.3	47.0	-0.3	47.4	47.0	-0.4
H_241_MooreHou	Moore House	400 W. Denton	Ellis	Texas	32.330444	-96.633083	30.2	30.3	28.6	-1.7	30.5	28.8	-1.7
H_242_MooreWBH	Moore, W. B., House	912 E. Marvin	Ellis	Texas	32.387778	-96.832472	37.6	37.7	37.7	0.0	38.3	38.3	0.0
H_243_Moorhead	Moorhead, J.B., House	801 S. Main W	Ellis	Texas	32.321800	-96.623200	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_244_MorningC	Morning Chapel Colored Methodist Episcopal Church	901 E. Third St.	Tarrant	Texas	32.758417	-97.325389	47.2	47.3	47.0	-0.3	47.4	47.2	-0.2

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H_245_MortonHo	Morton House Mrs. Baird's Bread Company Building	1007 N. McKinney  1401 N. Carroll	Ellis  Dallas	Texas  Texas	32.334444  32.800389	-96.634278  -96.777028	30.1  53.8	30.1  54.1	28.4  53.5	-1.7  -0.6	30.3  54.6	28.6  54.0	-1.7  -0.6
H_246_MrsBaird		Roughly bounded by Henderson, Junius, Prairie, and Reiger Sts.	Dallas	Texas	32.799338	-96.764523	52.1	52.4	51.5	-0.9	52.5	51.7	-0.8
H_444_MungerPl	Munger Place Historic District	Nash, Thomas J. and Elizabeth, Farm	Tarrant	Texas	32.936654	-97.085769	48.4	48.5	48.4	-0.1	48.9	48.8	-0.1
H_394_NashThom	National Compress Company Building	626 Ball St	Ellis	Texas	32.381167	-96.846028	38.4	38.5	38.6	0.1	39.2	39.3	0.1
H_247_National	Navarro County Courthouse	503 S. Flat	Navarro	Texas	32.095477	-96.468393	24.7	24.7	24.9	0.2	25.0	25.2	0.2
H_249_NavarroC	Neal House	704 N. Preston	Ellis	Texas	32.331194	-96.634139	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_248_NealHous		Roughly bounded by New York Ave., E. Terrell Ave., former I&GN Raiway, Verbena St., and N side of E. Terrell Ave,	Tarrant	Texas	32.734182	-97.312562	46.8	46.7	46.9	0.2	46.8	46.9	0.1
H_480_NearSout	Near Southeast Historic District	215 N. Waddill	Collin	Texas	33.199083	-96.626917	35.9	35.9	35.5	-0.4	36.3	35.8	-0.5
H_249_Neathery	Neathery, Sam, House	601 N. Church	Collin	Texas	33.202167	-96.617611	36.2	36.2	35.9	-0.3	36.5	36.0	-0.5
H_250_NenneyJP	Nenney, J. P., House	609 Tucker	Collin	Texas	33.202333	-96.627472	36.2	36.2	35.6	-0.6	36.5	36.0	-0.5
H_252_NewsomeR	Newsome, R. F., House	401 W. Louisiana	Collin	Texas	33.196722	-96.607694	36.0	36.0	37.2	1.2	36.3	36.5	0.2
H_251_NewsomeK	Newsome--King House	North Bishop Avenue Commercial Historic District	Dallas	Texas	32.747988	-96.828317	48.9	49.1	48.8	-0.3	49.5	49.2	-0.3
H_463_NorthBis	North Fort Worth High School	500--600 blks. of N. Rogers, 500--600 blks. of N. Monroe, and 100--200 blks. of W. Marvin Sts.	Tarrant	Texas	32.781222	-97.357000	53.2	53.1	53.1	0.0	52.5	52.5	0.0
H_253_NorthFor		North Rogers Street Historic District	Ellis	Texas	32.391053	-96.845905	38.4	38.6	38.5	-0.1	39.3	39.3	0.0
H_469_NorthRog	Novy, Joe, House	401 N. Clay	Ellis	Texas	32.327250	-96.634889	30.2	30.3	28.8	-1.5	30.4	29.0	-1.4
H_254_NovyJoeH	Number 4 Hook and Ladder Company	Cedar Springs Rd. and Reagan St.	Dallas	Texas	32.809889	-96.809056	58.8	59.2	59.6	0.4	60.4	60.6	0.2
H_255_Number4H	Oak Lawn Methodist Episcopal Church, South	3014 Oak Lawn Ave.	Dallas	Texas	32.809250	-96.808417	58.7	59.1	59.5	0.4	60.3	60.5	0.2
H_256_OakLawnM	Old Alton Bridge	Copper Canyon Rd.	Denton	Texas	33.129361	-97.104028	43.2	43.3	43.2	-0.1	43.7	43.5	-0.2
H_257_OldAlton	Old City Mills	212 E. Ennis and 108 E. Brown	Ellis	Texas	32.328333	-96.625722	30.1	30.2	28.5	-1.7	30.3	28.7	-1.6
H_258_OldCityM	Old Continental State Bank	312 Oak St.	Denton	Texas	32.999361	-97.229250	48.2	48.2	48.0	-0.2	48.3	48.1	-0.2

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H_260_OldRockS	Old Rock Saloon	58 W. Elm St.	Hill	Texas	32.010500	-97.130611	38.5	38.6	38.7	0.1	38.9	39.0	0.1	
H_261_OldSherm	Old Sherman Public Library	301 S. Walnut	Grayson	Texas	33.634750	-96.607056	36.0	36.1	35.9	-0.2	36.5	36.3	-0.2	
H_477_OldTownH	Old Town Historic District	Roughly bounded by Sanford, Elm, North, Prairie and Oak Sts.	Tarrant	Texas	32.741356	-97.106504	51.0	51.2	51.1	-0.1	51.5	51.3	-0.2	
H_467_OldhamAv	Oldham Avenue Historic District	Oldham Ave. between N. Jackson and Bethel Sts.	Ellis	Texas	32.388103	-96.842694	38.2	38.4	38.3	-0.1	39.0	39.0	0.0	
H_262_OldhamMa	Oldham, Mary and Frank House	910 W. Marvin	Ellis	Texas	32.396806	-96.853306	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2	
H_488_Original	Original Town Residential Historic District	Roughly bounded by Texas, Austin, Hudgins and Jenkins Sts.	Tarrant	Texas	32.936641	-97.074893	52.3	52.4	52.4	0.0	52.9	52.8	-0.1	
H_263_OurLadyo	Our Lady of Victory Academy	801 W. Shaw St.	Tarrant	Texas	32.701700	-97.332900	45.2	44.9	46.0	1.1	44.5	45.7	1.2	
H_264_OurMothe	Our Mother of Mercy Catholic Church and Parsonage	1100 and 1104 Evans Ave.	Tarrant	Texas	32.732722	-97.318417	46.8	46.7	46.9	0.2	46.7	46.8	0.1	
H_422_OurMothe	Our Mother of Mercy School	801 Verbena St.	Tarrant	Texas	32.735048	-97.319217	46.9	46.9	46.9	0.0	46.8	46.9	0.1	
H_265_OwnbyJor	Ownby, Jordan C., Stadium	5900 Ownby Dr.	Dallas	Texas	32.837750	-96.783556	47.9	48.0	47.4	-0.6	48.5	47.9	-0.6	
H_266_PaddockV	Paddock Viaduct	Main St.	Tarrant	Texas	32.760083	-97.334972	47.4	47.4	47.2	-0.2	47.5	47.3	-0.2	
H_267_PailletH	Paillet House	800 S. College	Ellis	Texas	32.378083	-96.855028	38.8	39.0	39.0	0.0	39.7	39.7	0.0	
H_268_ParkerCo	Parker County Courthouse	Courthouse Sq.	Parker	Texas	32.759056	-97.797361	43.0	43.0	40.3	-2.7	43.3	40.6	-2.7	
H_269_PatrickM	Patrick, Marshall T., House	233 Patrick	Ellis	Texas	32.395583	-96.855250	39.0	39.2	39.0	-0.2	40.0	39.8	-0.2	
H_270_Patterso	Patterson, Stanley, Hall	3128 Dyer St.	Dallas	Texas	32.843583	-96.782500	47.3	47.4	46.9	-0.5	47.7	47.2	-0.5	
H_271_PayneMSH	Payne, M. S., House	521 N. Grand	Ellis	Texas	32.404278	-96.858667	39.3	39.6	39.1	-0.5	40.4	40.0	-0.4	
H_445_PeaksSub	Peak's Suburban Addition Historic District	Roughly bounded by Sycamore, Peak, Worth and Fitzhugh	Dallas	Texas	32.797170	-96.772297	53.6	53.9	53.3	-0.6	54.2	53.6	-0.6	
H_272_PerkinsH	Perkins Hall of Administration	6425 Hillcrest Rd.	Dallas	Texas	32.844889	-96.786056	47.4	47.4	46.9	-0.5	47.8	47.3	-0.5	
H_400_Petroleu	Petroleum Building	210 W. 6th. St.	Tarrant	Texas	32.754637	-97.332042	47.3	47.4	47.1	-0.3	47.4	47.1	-0.3	
H_273_Philiips	Phillips, E. F., House	902 W. Marvin	Ellis	Texas	32.396611	-96.852889	38.9	39.1	38.9	-0.2	39.9	39.7	-0.2	
H_274_Plumhoff	Plumhoff House	612 S. Rogers	Ellis	Texas	32.380028	-96.853278	38.8	38.9	39.0	0.1	39.6	39.7	0.1	
H_275_PollockC	Pollock-Capps House	1120 Penn St.	Tarrant	Texas	32.747083	-97.342806	48.2	48.2	47.8	-0.4	48.0	47.6	-0.4	
H_417_PontonDr	Ponton, Dr. Arvel and Faye, House	1208 Mistletoe Dr.	Tarrant	Texas	32.730735	-97.356528	47.1	47.0	47.1	0.1	46.5	46.7	0.2	
NNL_5_Porter	Porter Farm	2 mi. N of Terrell on FR 986	Terrell	Texas	32.772912	-96.277527	42.6	42.8	42.8	0.0	43.1	43.2	0.1	
H_473_PorterWa	Porter, Walter C., Farm	2 mi. N of Terrell on FR 986	Kaufman	Texas	32.779285	-96.274648	42.1	42.2	43.0	0.8	42.5	43.4	0.9	

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H_276_PostOffi	Post Office Building	Lee at King St.	Hunt	Texas	33.140139	-96.110556	42.4	42.4	40.0	-2.4	42.8	40.4	-2.4
H_425_PurvinHe	Purvin--Hexter Building	2038 Commerce St.	Dallas	Texas	32.782839	-96.793465	54.5	54.9	55.0	0.1	55.9	55.9	0.0
H_454_QueenCit	Queen City Heights Historic District	Roughly bounded by Eugene, Cooper, Latimer, Kynard and Dildock	Dallas	Texas	32.760320	-96.763518	52.2	52.5	53.3	0.8	52.9	53.5	0.6
H_277_RalstonM	Ralston, Mary, House	116 E. University	Ellis	Texas	32.398444	-96.853917	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_278_Randlett	Randlett House	401 S. Centre St.	Dallas	Texas	32.590667	-96.755972	38.3	38.5	39.9	1.4	38.8	40.7	1.9
H_279_RansomHo	Ransom House	501 N. McKinney	Ellis	Texas	32.330250	-96.631611	30.2	30.3	28.6	-1.7	30.4	28.8	-1.6
H_280_RaphaelH	Raphael House	500 W. Ennis	Ellis	Texas	32.326083	-96.631306	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_281_RawlinsC	Rawlins, Capt. R. A., House	2219 Dowling St.	Dallas	Texas	32.580444	-96.756278	37.6	37.8	39.2	1.4	38.3	40.1	1.8
H_282_RayMBHou	Ray, M. B., House	401 N. Monroe	Ellis	Texas	32.389667	-96.848167	38.6	38.7	38.6	-0.1	39.4	39.4	0.0
H_283_RayburnS	Rayburn, Sam, Library and Museum	800 W. Sam Rayburn Dr.	Fannin	Texas	33.578200	-96.187300	30.5	30.5	26.9	-3.6	30.9	27.9	-3.0
H_428_RayburnS	Rayburn, Sam, Library and Museum	800 W. Sam Rayburn Dr.	Fannin	Texas	33.580072	-96.187955	30.4	30.5	26.8	-3.7	30.9	27.8	-3.1
H_284_RayburnS	Rayburn, Samuel T., House	1.5 mi. W of Bonham on U.S. 82	Fannin	Texas	33.569833	-96.207444	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2
NNL_6_Raybur	Rayburn, Samuel T., House	1.5 mi. W of Bonham on U.S. 82	Fannin	Texas	33.569913	-96.207512	30.9	31.0	26.9	-4.1	31.4	28.2	-3.2
H_285_RectorRo	Rector Road Bridge at Clear Creek	Approx. 2.5 mi SE of Sangar	Denton	Texas	33.330500	-97.148800	41.9	41.9	41.7	-0.2	41.9	41.7	-0.2
H_286_Reinmill	Reinmiller, W. B., House	206 E. Marvin	Ellis	Texas	32.391389	-96.842389	38.2	38.4	38.3	-0.1	39.1	39.0	-0.1
H_287_Public	Republic National Bank	300 N. Ervay/325 N. St. Paul St.	Dallas	Texas	32.783100	-96.797200	54.1	54.5	54.4	-0.1	55.5	55.3	-0.2
H_288_RheaJohn	Rhea, John C., House	801 N. College	Collin	Texas	33.204028	-96.621222	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
H_289_Riversid	Riverside Public School	2629 LaSalle St.	Tarrant	Texas	32.758333	-97.305556	47.7	47.7	47.4	-0.3	47.7	47.5	-0.2
H_290_RobertsD	Roberts, Dr. Rufus A., House	210 S. Broad St.	Dallas	Texas	32.588111	-96.957417	42.0	42.2	42.5	0.3	42.6	43.0	0.4
H_291_RockettP	Rockett, Paris Q., House	321 E. University	Ellis	Texas	32.402028	-96.852750	39.0	39.2	38.8	-0.4	40.0	39.7	-0.3
H_292_RogersOD	Rogers-O'Daniel House	2230 Warner Rd.	Tarrant	Texas	32.709833	-97.347639	45.4	45.2	46.3	1.1	44.9	46.1	1.2
H_455_RomineAv	Romine Avenue Historic District	2300-2400 blocks of Romine Ave., N side	Dallas	Texas	32.758944	-96.765295	51.9	52.2	52.9	0.7	52.7	53.2	0.5
H_458_Rosemont	Rosemont Crest Historic District	Roughly bounded by 10th St., Oak Cliff Blvd., W. Davis St., N. Brighton Ave., W. 8th St. and Rosemont Ave.	Dallas	Texas	32.746918	-96.850593	49.0	49.2	49.2	0.0	49.5	49.5	0.0
H_293_Rosemont	Rosemont House	701 S. Rogers	Ellis	Texas	32.378944	-96.853944	38.8	38.9	39.0	0.1	39.7	39.7	0.0



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H_294_RoyseCit	Royse City Lodge No. 663 A.F. & A.M.	102 S. Arch St.	Rockwall	Texas	32.975083	-96.330833	45.0	45.0	42.9	-2.1	45.1	43.2	-1.9
H_295_RushCrab	Rush--Crabb House Saint James Second Street	2718 Pennsylvania	Dallas	Texas	32.765944	-96.767222	53.2	53.5	54.3	0.8	53.8	54.6	0.8
H_296_SaintJam	Baptist Church	210 Harding St.	Tarrant	Texas	32.759500	-97.324750	47.2	47.3	47.0	-0.3	47.4	47.2	-0.2
H_297_SaintPau	Saint Paul's Episcopal Church	308 N. Monroe	Ellis	Texas	32.388583	-96.837028	37.9	38.0	37.9	-0.1	38.7	38.7	0.0
H_298_Sanderso	Sanderson, James S., House	201 N. Gaines	Ellis	Texas	32.327389	-96.632750	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_299_SangerBr	Sanger Brothers Building	410-412 Houston St.	Tarrant	Texas	32.754361	-97.332306	47.3	47.4	47.0	-0.4	47.4	47.1	-0.3
H_300_SangerBr	Sanger Brothers Complex	Block 32, bounded by Elm, Lamar, Main and Austin Sts.	Dallas	Texas	32.779861	-96.804556	52.7	53.0	52.8	-0.2	53.9	53.6	-0.3
H_301_Sanguine	Sanguinet, Marshall R., House	4729 Collinwood Ave.	Tarrant	Texas	32.737361	-97.390889	46.5	46.4	46.1	-0.3	46.3	45.9	-0.4
H_302_SantaFeP	Santa Fe Passenger Depot Santa Fe Terminal Building No. 4	505 E. Broadway	Cooke	Texas	33.626444	-97.140639	39.5	39.3	39.4	0.1	39.4	39.5	0.1
H_387_SantaFeT	Santa Fe Terminal Buildings No.1 and No. 2	1033 Young St.	Dallas	Texas	32.778891	-96.802241	52.8	53.1	52.9	-0.2	54.0	53.7	-0.3
H_303_SantaFeT	Santa Fe Terminal Buildings No.1 and No. 2	1114 Commerce St. and 1118 Jackson St.	Dallas	Texas	32.796861	-96.801250	58.0	58.5	58.7	0.2	59.8	60.4	0.6
H_304_SantaFeT	Santa Fe Terminal Buildings No.1 and No. 2	1114 Commerce St. and 1118 Jackson St.	Dallas	Texas	32.796306	-96.801056	57.8	58.3	58.5	0.2	59.7	60.2	0.5
H_305_ScottAMH	Scott, A. M., House	1109 W. Louisiana	Collin	Texas	33.196722	-96.626361	35.7	35.8	35.4	-0.4	36.1	35.8	-0.3
H_306_ScottLAH	Scott, L. A., House Second Trinity University Campus	513 W. Louisiana	Collin	Texas	33.196806	-96.621194	35.7	35.7	35.5	-0.2	36.1	35.8	-0.3
H_501_SecondTr		1200 blk. of Sycamore	Ellis	Texas	32.404255	-96.852779	39.0	39.2	38.8	-0.4	40.0	39.6	-0.4
H_307_SharpHou	Sharp House Shaw, Thomas and Marjorie, House	208 N. Gaines	Ellis	Texas	32.327000	-96.632333	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6
H_308_ShawThom	Sherman US Post Office and Courthouse	2404 Medford Ct. E.	Tarrant	Texas	32.717722	-97.356889	45.7	45.6	46.5	0.9	45.4	46.3	0.9
H_309_ShermanU		101 E. Pecan St.	Grayson	Texas	33.639139	-96.609528	36.3	36.4	36.3	-0.1	36.8	36.6	-0.2
H_310_ShielsTh	Shiels, Thomas, House	4602 Reiger Ave.	Dallas	Texas	32.793722	-96.767583	53.7	53.9	53.2	-0.7	53.9	53.3	-0.6
H_386_ShipeCol	Shipe, Col. Monroe M., House	3816 Ave. G	Travis	Texas	32.105070	-97.706759	22.7	22.6	22.3	-0.3	22.9	22.8	-0.1
H_311_Silberst	Silberstein, Ascher, School	2425 Pine St.	Dallas	Texas	32.756111	-96.761278	51.5	51.8	52.5	0.7	52.2	52.8	0.6
H_312_SimsOBHo	Sims, O. B., House	1408 W. Main	Ellis	Texas	32.397889	-96.863500	39.4	39.7	39.4	-0.3	40.5	40.2	-0.3
H_313_Sinclair	Sinclair Building	512 Main St.	Tarrant	Texas	32.754000	-97.331250	47.4	47.4	47.1	-0.3	47.4	47.1	-0.3
H_314_SmithWDH	Smith, W. D., House	703 N. College	Collin	Texas	33.203306	-96.621250	36.1	36.2	35.6	-0.6	36.5	35.9	-0.6
H_315_SniderHa	Snider Hall	3305 Dyer St.	Dallas	Texas	32.842750	-96.786028	47.6	47.6	47.1	-0.5	48.0	47.5	-0.5

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H_316_SolonJoh	Solon, John, House	617 Solon Rd.	Ellis	Texas	32.390667	-96.853667	38.8	39.0	38.9	-0.1	39.8	39.7	-0.1
H_317_Somervel	Somervell County Courthouse	Off TX 144	Somervell	Texas	32.235028	-97.755750	27.8	27.7	26.3	-1.4	28.1	26.8	-1.3
H_452_SouthBou	South Boulevard-Park Row Historic District	South Blvd. and Park Row from Central	Dallas	Texas	32.768266	-96.772556	53.5	53.8	54.4	0.6	54.2	54.8	0.6
H_482_SouthCen	South Center Street Historic District	500-600 blks of S. Center St.	Tarrant	Texas	32.731659	-97.106872	49.6	49.8	49.5	-0.3	50.1	49.8	-0.3
H_399_SouthMai	South Main Street Historic District	104, 108, 126 & 200 blocks S. Main St.	Tarrant	Texas	32.744343	-97.326353	47.3	47.3	46.9	-0.4	47.3	46.9	-0.4
H_318_SouthSid	South Side Masonic Lodge No. 1114	1301 W. Magnolia	Tarrant	Texas	32.730278	-97.338083	47.7	47.7	47.9	0.2	46.9	47.2	0.3
H_319_SpakeJac	Spake, Jacob and Eliza, House St. Mary of the Assumption	2600 State St.	Dallas	Texas	32.795389	-96.799778	57.6	58.1	58.4	0.3	59.4	60.0	0.6
H_320_StMaryof	Church	501 W. Magnolia Ave.	Tarrant	Texas	32.730444	-97.330306	47.1	47.1	47.4	0.3	46.7	47.0	0.3
H_321_StPatric	St. Patrick Cathedral Complex	1206 Throckmorton	Tarrant	Texas	32.749111	-97.329639	47.4	47.3	47.0	-0.3	47.4	47.0	-0.4
H_322_StPeters	St. Peter's Roman Catholic Church	Ash St.	Cooke	Texas	33.636000	-97.226667	38.4	38.3	38.4	0.1	38.5	38.5	0.0
H_323_StanardT	Stanard--Tilton Flour Mill	2400 S. Ervay St.	Dallas	Texas	32.766750	-96.782139	52.6	53.0	53.1	0.1	53.4	53.5	0.1
H_324_StateHig	State Highway 34 Bridge at the Trinity River	TX 34 at the Ellis and Kaufman Cnty. line	Kaufman	Texas	32.426750	-96.462861	32.6	32.8	30.4	-2.4	33.4	31.0	-2.4
H_325_StateHig	State Highway 89 Bridge at the Brazos River	I-20, 1.7 mi. W of jct. with FM 113	Parker	Texas	32.666944	-98.033361	38.8	38.9	41.5	2.6	39.1	41.7	2.6
H_413_Stonelei	Stoneleigh Court Hotel	2927 Maple Ave.	Dallas	Texas	32.797528	-96.807239	56.9	57.4	57.5	0.1	58.7	58.8	0.1
H_326_StoryJes	Story, Jesse and Mary, House	510 W. Brown	Ellis	Texas	32.325194	-96.630889	30.2	30.3	28.8	-1.5	30.5	29.0	-1.5
H_432_StrainFa	Strain Farm--Strain, W.A., House (Boundary Increase)	400 Lancaster-Hutchins Rd.	Dallas	Texas	32.589859	-96.746360	37.6	37.7	39.3	1.6	38.0	40.1	2.1
H_327_StrainWA	Strain, W. A., House	400 E. Pecan St.	Dallas	Texas	32.587972	-96.749750	37.7	37.9	39.4	1.5	38.2	40.2	2.0
H_328_StrausHo	Straus House	400 Cedar	Dallas	Texas	32.588417	-96.954417	41.9	42.0	42.4	0.4	42.5	42.9	0.4
H_329_Strickla	Strickland-Sawyer House	500 Oldham St.	Ellis	Texas	32.387417	-96.841833	38.2	38.3	38.3	0.0	39.0	39.0	0.0
H_330_SturgisN	Sturgis National Bank	S. Waco and W. Elm Sts.	Hill	Texas	32.010500	-97.130278	38.5	38.6	38.7	0.1	39.0	39.1	0.1
H_443_SwissAve	Swiss Avenue Historic District	Swiss Ave. between Fitzhugh and LaVista	Dallas	Texas	32.807744	-96.763527	50.5	50.7	49.9	-0.8	51.1	50.3	-0.8
H_331_Tabernac	Tabernacle Baptist Church	1801 Evans Ave.	Tarrant	Texas	32.724944	-97.317917	46.4	46.3	46.8	0.5	46.2	46.7	0.5
H_332_TarltonB	Tarlton Building	110 E. Franklin St.	Hill	Texas	32.011556	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1

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H_333_TarrantC	Tarrant County Courthouse	Bounded by Houston, Belknap, Weatherford, and Commerce Sts.	Tarrant	Texas	32.757361	-97.333000	47.4	47.4	47.1	-0.3	47.5	47.2	-0.3	
H_334_TaylorJH	Taylor, J. H., House	211 N. Waddill	Collin	Texas	33.198722	-96.626944	35.8	35.9	35.4	-0.5	36.3	35.8	-0.5	
H_335_TelfairH	Telfair House	209 N. Preston	Ellis	Texas	32.327361	-96.632111	30.2	30.3	28.8	-1.5	30.5	28.9	-1.6	
H_336_TempleBe	Temple Beth-El Templeton, Judge M. B., House	208 S. Fifteenth St.	Navarro	Texas	32.089556	-96.468556	24.4	24.5	24.7	0.2	24.8	25.0	0.2	
H_337_Templeto		203 N. Grand	Ellis	Texas	32.398222	-96.862194	39.4	39.6	39.3	-0.3	40.4	40.1	-0.3	
H_459_TenthStr	Tenth Street Historic District	Roughly bounded by E. Clarendon Dr., S. Fleming Ave., I-35E, E. 8th St. and the E end of Church, E. 9th and Plum Sts.	Dallas	Texas	32.748258	-96.806802	49.1	49.4	49.1	-0.3	49.9	49.5	-0.4	
H_423_TerrellC	Terrell Carnegie Library	207 N. Frances St.	Kaufman	Texas	32.740089	-96.278458	42.9	43.1	41.7	-1.4	43.4	42.1	-1.3	
H_338_TerrellIT	Terrell Times Star Building	108 S. Catherine St.	Kaufman	Texas	32.735972	-96.277611	42.5	42.6	41.5	-1.1	43.0	41.8	-1.2	
H_339_Texas&Pa	Texas & Pacific Steam Locomotive No. 610 Texas and Pacific Railroad	Felix and Hemphill Sts.	Tarrant	Texas	32.789167	-97.344472	48.7	48.7	48.8	0.1	48.7	48.8	0.1	
H_340_Texasand	Texas and Pacific Depot	1 Main St.	Fannin	Texas	33.573583	-96.177278	30.4	30.5	27.4	-3.1	30.9	28.1	-2.8	
H_505_Texasand	Texas and Pacific Terminal Complex	Lancaster and Throckmorton Sts.	Tarrant	Texas	32.746046	-97.329660	47.4	47.4	47.1	-0.3	47.3	47.0	-0.3	
H_493_TexasCen	Texas Centennial Exposition Buildings (1936–1937) Texas Farm and Ranch	Bounded by Texas and Pacific RR, Pennsylvania, Second, and Parry Aves.	Dallas	Texas	32.779268	-96.760070	53.2	53.5	53.9	0.4	53.5	54.0	0.5	
H_341_TexasFar	Texas Farm and Ranch Building Texas Garden Clubs, Inc., Headquarters	3300 Main St.	Dallas	Texas	32.785389	-96.775694	55.4	55.7	56.3	0.6	55.7	56.1	0.4	
H_390_TexasGar	Texas Garden Clubs, Inc., Headquarters	3111 Old Garden Rd	Tarrant	Texas	32.740556	-97.364000	47.6	47.6	47.2	-0.4	47.1	46.8	-0.3	
H_342_TexasThe	Texas Theatre	231 W. Jefferson Blvd.	Dallas	Texas	32.743400	-96.825500	48.4	48.6	48.3	-0.3	49.0	48.7	-0.3	
H_343_TexasTou	Texas Tourist Camp	900–904 S US 81/287	Wise	Texas	33.228556	-97.576194	30.6	30.5	30.5	0.0	31.0	30.9	-0.1	
H_344_Thomason	Thomason-Scott House	Off TX 51 and SR 922	Cooke	Texas	33.495111	-97.289194	35.7	35.7	35.8	0.1	35.8	36.0	0.2	
H_345_Thompson	Thompson House	1207 W. Louisiana	Collin	Texas	33.196750	-96.627194	35.7	35.8	35.4	-0.4	36.2	35.8	-0.4	
H_346_Thompson	Thompson, D. H., House Titche--Goettinger Department Store	312 Kaufman	Ellis	Texas	32.386500	-96.841000	38.1	38.3	38.2	-0.1	38.9	38.9	0.0	
H_347_TitcheGo	Titche--Goettinger Department Store	1901 Main St.	Dallas	Texas	32.790806	-96.795194	56.6	57.1	57.3	0.2	58.3	58.9	0.6	
H_348_TrinityE	Trinity English Lutheran Church	3100 Martin Luther King, Jr., Blvd.	Dallas	Texas	32.772222	-96.764722	53.7	54.0	55.0	1.0	54.2	55.1	0.9	

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H_349_Trippers	Trippet-Shive House	209 N. Grand	Ellis	Texas	32.399278	-96.861111	39.4	39.6	39.2	-0.4	40.5	40.1	-0.4
H_350_TurnerJo	Turner, Joe E., House	3 mi. E of Itasca on SR 934	Hill	Texas	32.172917	-97.091861	40.1	40.2	40.3	0.1	40.5	40.7	0.2
H_351_TurtleCr	Turtle Creek Pump Station	3630 Harry Hines Blvd.	Dallas	Texas	32.768556	-96.802806	51.7	52.0	51.8	-0.2	52.4	52.1	-0.3
H_352_USPostOf	U.S. Post Office	118 S. Waco St.	Hill	Texas	32.009944	-97.130306	38.5	38.6	38.7	0.1	39.0	39.1	0.1
H_353_Umphress	Umphress--Taylor House US 281 Bridge at the Brazos River	301 Paris St.	Grayson	Texas	33.415889	-96.573528	27.8	27.7	27.6	-0.1	28.0	27.9	-0.1
H_354_US281Bri		US 281, 2.2 mi. N of I-20	Palo Pinto	Texas	32.641639	-98.100278	36.2	36.5	40.5	4.0	36.7	40.6	3.9
H_355_USPostOf	US Post Office	Lancaster and Jennings Ave.	Tarrant	Texas	32.746222	-97.329333	47.4	47.4	47.0	-0.4	47.3	47.0	-0.3
H_396_Vandergr	Vandergriff Building	100 E Division St	Tarrant	Texas	32.743174	-97.106107	51.3	51.5	51.4	-0.1	51.8	51.7	-0.1
H_427_VaughtHo	Vaught House	718 W. Abram St.	Tarrant	Texas	32.735041	-97.115829	50.0	50.2	50.0	-0.2	50.5	50.2	-0.3
H_356_VickeryR	Vickery, Richard, House	1104 E. Marvin	Ellis	Texas	32.388278	-96.829500	37.4	37.5	37.4	-0.1	38.1	38.1	0.0
H_357_ViolaCou	Viola Courts Apartments	4845 Swiss Ave.	Dallas	Texas	32.801361	-96.771028	52.5	52.8	52.1	-0.7	53.2	52.5	-0.7
H_358_Virginia	Virginia Hall	3325 Dyer St.	Dallas	Texas	32.843028	-96.786639	47.5	47.6	47.1	-0.5	48.0	47.5	-0.5
H_359_WaddillR	Waddill, R. L., House	302 W. Lamar	Collin	Texas	33.200611	-96.612944	35.8	35.8	36.0	0.2	36.1	36.0	-0.1
H_360_Waggoner	Waggoner Mansion	1003 E. Main	Wise	Texas	33.234333	-97.577167	30.5	30.4	30.3	-0.1	30.9	30.7	-0.2
H_361_Waggoner	Waggoner, W. T. Building	810 Houston St.	Tarrant	Texas	32.751639	-97.330639	47.3	47.3	47.0	-0.3	47.5	47.1	-0.4
H_362_WallaceH	Wallace-Hall House	210 S. Main St.	Tarrant	Texas	32.561600	-97.142200	40.1	40.1	40.6	0.5	40.1	40.7	0.6
H_363_WaplesPl	Waples-Platter Buildings	2200--2211 N. Lamar St.	Dallas	Texas	32.784722	-96.808528	53.1	53.4	53.2	-0.2	54.3	54.1	-0.2
H_364_WaplesPl	Waples-Platter Buildings	2200--2211 N. Lamar St.	Dallas	Texas	32.784889	-96.808167	53.1	53.4	53.3	-0.1	54.4	54.2	-0.2
H_365_WarrenCr	Warren-Crowell House	705 Griffith Ave.	Kaufman	Texas	32.747639	-96.286861	43.4	43.5	42.2	-1.3	43.9	42.6	-1.3
H_393_Washingt	Washington Hotel Waxahachie Chautauqua	2612 Washington St	Hunt	Texas	33.141124	-96.107837	42.4	42.4	40.0	-2.4	42.8	40.4	-2.4
H_366_Waxahach	Building	Getzendaner Park	Ellis	Texas	32.394861	-96.866528	39.5	39.7	39.4	-0.3	40.6	40.3	-0.3
H_367_Waxahach	Waxahachie Lumber Company	123 Kaufman	Ellis	Texas	32.386000	-96.843778	38.3	38.4	38.4	0.0	39.1	39.1	0.0
H_438_Weatherf	Weatherford Downtown Historic District	Roughly bounded by Waco, Water, Walnut and Lee Sts.	Parker	Texas	32.759232	-97.797244	43.0	43.0	40.3	-2.7	43.3	40.6	-2.7
H_369_Weatherf	Weatherford House Weatherford-Mineral Wells and Northwestern Railroad	501 N. Preston	Ellis	Texas	32.329194	-96.633556	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6
H_368_Weatherf	Depot	S. Oak St.	Palo Pinto	Texas	32.806167	-98.111667	38.6	38.7	39.4	0.7	38.9	39.7	0.8
H_370_WeekleyJ	Weekley, John M., House	510 W. Denton	Ellis	Texas	32.329750	-96.634389	30.2	30.3	28.7	-1.6	30.5	28.9	-1.6

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Grid Point Location ID	Location				2011 E.C.	N.A.	P.A.	2014 Change	N.A.	P.A.	2019 Change		
	Historic Place Name	Address	County	State	Latitude	Longitude							
H_468_WestEndH	West End Historic District	Roughly bounded by Central, W. Water, Monroe, Madison and W. Jefferson	Ellis	Texas	32.390261	-96.855138	38.9	39.1	39.0	-0.1	39.9	39.8	-0.1
H_476_WestSide	West Side Historic District	Roughly bounded by W. 3rd Ave., 15th St., W. 6th Ave. and 31st St.	Navarro	Texas	32.087307	-96.479034	23.4	23.4	23.9	0.5	23.7	24.3	0.6
H_407_Westbroo	Westbrook, Roy A. and Gladys, House	2232 Winton Terrace W.	Tarrant	Texas	32.722414	-97.359572	46.1	46.0	46.6	0.6	45.7	46.3	0.6
H_449_WestendH	Westend Historic District	Bounded by Lamar, Griffin, Wood, Market, and Commerce Sts.	Dallas	Texas	32.780201	-96.806786	52.6	52.8	52.7	-0.1	53.7	53.5	-0.2
H_371_WesternU	Western Union Building	107 S. Covington St.	Hill	Texas	32.011917	-97.129306	38.6	38.7	38.8	0.1	39.0	39.1	0.1
H_372_Westover	Westover Manor	8 Westover Rd.	Tarrant	Texas	32.742139	-97.404250	46.3	46.3	45.8	-0.5	46.3	45.6	-0.7
H_373_WhartonS	Wharton-Scott House	1509 Pennsylvania Ave.	Tarrant	Texas	32.738000	-97.342528	48.1	48.1	48.0	-0.1	47.6	47.4	-0.2
H_453_Wheatley	Wheatley Place Historic District	Bounded by Warren, Atlanta, McDermott, Meadow, Oakland and Dathe	Dallas	Texas	32.765674	-96.762054	53.0	53.3	54.3	1.0	53.6	54.4	0.8
H_374_WileyTho	Wiley, Thomas W., House	105 S. Church	Collin	Texas	33.196722	-96.617139	35.7	35.8	35.8	0.0	36.1	35.9	-0.2
H_376_Williams	Williams, Porter L., House	200 E. University	Ellis	Texas	32.399333	-96.853472	39.0	39.2	38.9	-0.3	40.0	39.7	-0.3
H_375_Williams	Williams-Erwin House	412 W. Marvin St.	Ellis	Texas	32.394500	-96.848056	38.6	38.8	38.6	-0.2	39.5	39.4	-0.1
H_498_WilsonBl	Wilson Block	2902, 2906, 2910 and 2922 Swiss Ave.	Dallas	Texas	32.788364	-96.784995	55.9	56.2	56.8	0.6	57.1	57.7	0.6
H_377_WilsonBu	Wilson Building	1621-1623 Main St.	Dallas	Texas	32.781444	-96.797361	53.7	54.1	54.0	-0.1	55.1	54.8	-0.3
H_378_WilsonAG	Wilson, A. G., House	417 N. Waddill	Collin	Texas	33.201611	-96.626861	36.1	36.1	35.5	-0.6	36.5	35.9	-0.6
H_379_WilsonAm	Wilson, Ammie, House	1900 W. 15th St.	Collin	Texas	33.019056	-96.731306	44.4	44.4	44.5	0.1	44.8	45.6	0.8
H_457_Winnetka	Winnetka Heights Historic District	Roughly bounded by Davis and 12th Sts., and Rosemont and Willomet Aves.	Dallas	Texas	32.745457	-96.844053	48.7	48.8	48.9	0.1	49.1	49.2	0.1
H_380_WiseCoun	Wise County Courthouse	Public Sq.	Wise	Texas	33.234361	-97.586944	30.4	30.3	30.2	-0.1	30.8	30.6	-0.2
H_381_WittenPa	Witten, Pat, House	204 Brown	Ellis	Texas	32.394806	-96.842722	38.3	38.4	38.2	-0.2	39.1	39.0	-0.1
H_382_Woolwort	Woolworth, F. W., Building	501 Houston St.	Tarrant	Texas	32.753500	-97.331472	47.4	47.4	47.0	-0.4	47.4	47.1	-0.3
H_405_WrightBu	Wright Building Wright-Henderson-Duncan House	1 E. James St.	Johnson	Texas	32.348153	-97.386244	31.4	30.9	31.5	0.6	31.0	31.6	0.6
H_383_WrightHe		703 Spring St.	Hood	Texas	32.435306	-97.794917	27.8	28.0	26.0	-2.0	28.2	26.3	-1.9

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	Historic Place Name	Address	County	State	Latitude	Longitude		N.A.	P.A.	Change	N.A.	P.A.	Change
H_384_WyattStr	Wyatt Street Shotgun House Historic District	E side 300 blk. of Wyatt St.	Ellis	Texas	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0
H_385_WyattStr	Wyatt Street Shotgun House Historic District	E side 300 blk. of Wyatt St.	Ellis	Texas	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0
H_470_WyattStr	Wyatt Street Shotgun House Historic District	E side 300 blk. of Wyatt St.	Ellis	Texas	32.385057	-96.838879	38.0	38.1	38.1	0.0	38.8	38.8	0.0



